MANITOBA

VITAL STATISTICS

A REGIONAL ANALYSIS 2001

MBS 2002-5

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BUREAU
OF STATISTICS

Manitoba

EXECUTIVE SUMMARY

LIVE BIRTHS

There were 13,888 live births in Manitoba during 2001. Of these, 9,616 (69.2%) occurred in Winnipeg. The Winnipeg region had the highest birth rate with 15.2 births per thousand population, followed by the North with a birth rate of 12.1. The lowest birth rates were in the Interlake and Southeast regions, with rates of 3.7 and 4.5 respectively. For Manitoba, the birth rate was 12.1 births per thousand population.

There were 6,835 (49.2%) female births and 7,053 (50.8%) male births. For every thousand females in the population there were 11.8 female births, compared to 12.4 male births for every thousand males in the population. The Southeast, Southwest, Interlake and Parklands were regions recorded a higher number of female births than male births.

DEATHS

There were 9,650 deaths in Manitoba during 2001. There were 5,827 (60.4%) in Winnipeg alone. The regions with the highest death rates were the Parklands and Southwest regions with 12.4 and 10.8 deaths per thousand population. The North region had the lowest death rate with 3.9, followed by the Southeast with a rate of 5.1. The death rate for Manitoba was 8.4.

There were 4,756 (49.3%) female deaths, compared to 4,894 (50.7%) male deaths. The male death rate was higher than the female death rate in seven of Manitoba's eight Economic Regions. At the Manitoba level, the male death rate was 8.6, while the female death rate was 8.2.

STILLBIRTHS

The number of stillbirths in Manitoba in 2001 was 113. Of these stillbirths, 89 (78.8%) occurred in Winnipeg. The North had the second highest number with 6 (5.3%) stillbirths, followed by the South Central and Southwest regions with 5 stillbirths each (4.4%) and the Parklands region with 3 stillbirths (2.7%). The Southeast and North Central regions reported 2 stillbirths, while the Interlake region reported 1 stillbirth during 2001.

The rate of female stillbirth was 6.3 per thousand female live births and the rate of male stillbirth was 9.6 per thousand male live births.

NATURAL INCREASE

In 2001, Manitoba had a net population gain of 4,238 persons due to natural increase. Manitoba's rate of natural increase in 2001 was 3.7 persons per thousand population. The Parklands region had the largest rate of natural decrease of 8.1 persons per thousand. Three other regions recorded a small net loss during 2001. The North region had the greatest rate of natural increase, that being 8.1, followed by Winnipeg with a rate of 6.0 per thousand.

Rates at the Manitoba level were 3.6 females per thousand and 3.8 males per thousand. Rates in Winnipeg were 5.5 females per thousand and 6.5 males per thousand.

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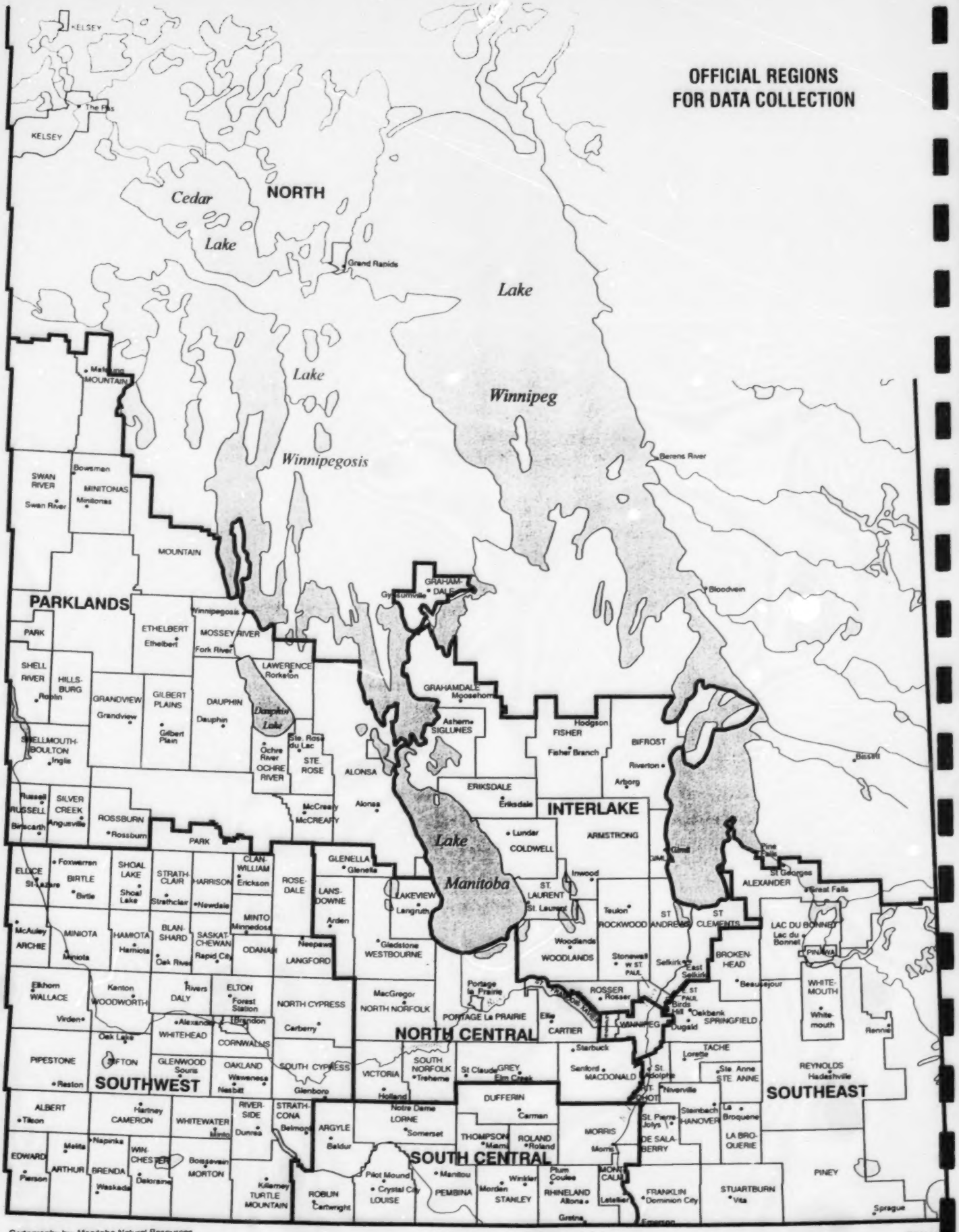
OFFICIAL REGIONS
FOR DATA COLLECTION
NORTH
PARKLANDS
SOUTHWEST
SOUTH CENTRAL
NORTH CENTRAL
INTERLAKE
SOUTHEAST
Lake Winnipeg
Lake Manitoba
Lake Winnipegosis
Cedar Lake
Dauphin Lake
KELSEY
The Pas
Grand Rapids
Berens River
Bloodvein
Bissett
Cartography by Manitoba Natural Resources
Land Information Division
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INTRODUCTION

This report presents data on the vital statistics (births, deaths, and stillbirths) occurring during 2001 in the province of Manitoba. Historical data from 1984 to 2000 is available in previous Manitoba Bureau of Statistics reports. The charts and tables in this report were constructed using data that was reported by the Vital Statistics Agency, Manitoba Consumer and Corporate Affairs.

This data refers to events that **occurred in Manitoba and involved Manitobans by place of occurrence**. Where all characteristics of an event have not been recorded, the vital event has been omitted from that statistical table.

The population figures used are from the Statistics Canada July 1, 2001 postcensal estimates of population. Where population estimates are not available, population projections from the Manitoba Bureau of Statistics have been used to derive the approximate distribution of the population by age and sex. The Statistics Canada estimate was then broken down according to this distribution.

Manitoba is divided into 8 Official Regions for Data Collection (also known as Economic Regions). The following table illustrates the association between data collection region, economic region, and census division.

OFFICIAL REGION FOR DATA COLLECTION	ECONOMIC REGION	CENSUS DIVISION
Southeast	10	1, 2, 12
South Central	20	3, 4
Southwest	30	5, 6, 7, 15
North Central	40	8, 9, 10
Winnipeg	50	11
Interlake	60	13, 14, 18
Parklands	70	16, 17, 20
North	80	19, 21, 22, 23

The map on the opposite page also illustrates these relationships.

Further information and custom tabulations on the 2001 vital statistics can be obtained from the Manitoba Bureau of Statistics by contacting Marcel Chartier at (204) 945-2991.

TABLE VIII presents Manitoba deaths during 2001 by cause of death. The causes of death are coded according to the "Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death", based on the Tenth Revision Conference, 2000.

The following lists the major causes of death and their codes:

Infectious and Parasitic Diseases (A00-B99)

Cancer (C00-C97)

Metabolic and Immunity Disorders (D80-D89, E65-E88, M10)

Diabetes (E10-E14)

Psychoses (F01-F39)

Hereditary and Degenerative Central Nervous System (G10-G37)

Hypertensive Disease (I10-I13)

Heart Disease (I20-I51)

Cerebrovascular Disease (I60-I69)

Diseases of Arteries, Arterioles, Capillaries (I70-I78)

Pneumonia (J12-J18)

Chronic Obstructive Pulmonary Disease (J40-J47)

Other Respiratory Diseases (J80-J98)

Other Intestinal and Peritoneum Diseases (K55-K66)

Other Diseases of the Digestive System (K70-K92)

Musculoskeletal System and Connective Tissue (M00-M08, M11-M99)

Nephritis, Nephrotic Syndrome, Nephrosis (N00-N07, N17-N19, N25-N27)

Symptoms and Abnormal Findings (R00-R94)

Ill-Defined and Unknown Causes (R95-R99)

Accidents (V01-X59, Y40-Y86, Y88)

Other Causes (D00-D89, E00-E07, E15-E64, F40-F99, G00-G09, G40-G98, H00-H93, I00-I09, I80-I99, J00-J11, J20-J39, J60-J70, K00-K14, K20-K31, K35-K52, L00-L98, N10-N15, N20-N23, N28-N98, O00-O99, P00-P96, Q00-Q99, X60-Y36, Y870, Y871, Y890, Y891, Y892 and Y899)

TABLE I MANITOBA 2001 VITAL STATISTICS BY ECONOMIC REGION BOTH SEXES

REGION	POPULATION IN 000'S (JULY 1/01)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	89.2	401	2	455	-54	4.5	5.0	5.1	-0.6
SOUTH CENTRAL	53.7	623	5	421	202	11.6	8.0	7.8	3.8
SOUTHWEST	105.8	1,185	5	1,138	47	11.2	4.2	10.8	0.4
NORTH CENTRAL	48.8	318	2	331	-13	6.5	6.3	6.8	-0.3
WINNIPEG	633.3	9,616	89	5,827	3,789	15.2	9.3	9.2	6.0
INTERLAKE	85.1	316	1	562	-246	3.7	3.2	6.6	-2.9
PARKLANDS	46.3	370	3	572	-202	8.0	8.1	12.4	-4.4
NORTH	87.8	1,059	6	344	715	12.1	5.7	3.9	8.1
MANITOBA	1,150.0	13,888	113	9,650	4,238	12.1	8.1	8.4	3.7

NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPUALTION.
RATE FOR STILLBIRTHS IS PER 1000 LIVE BIRTHS.
DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
STATISTICS CANADA

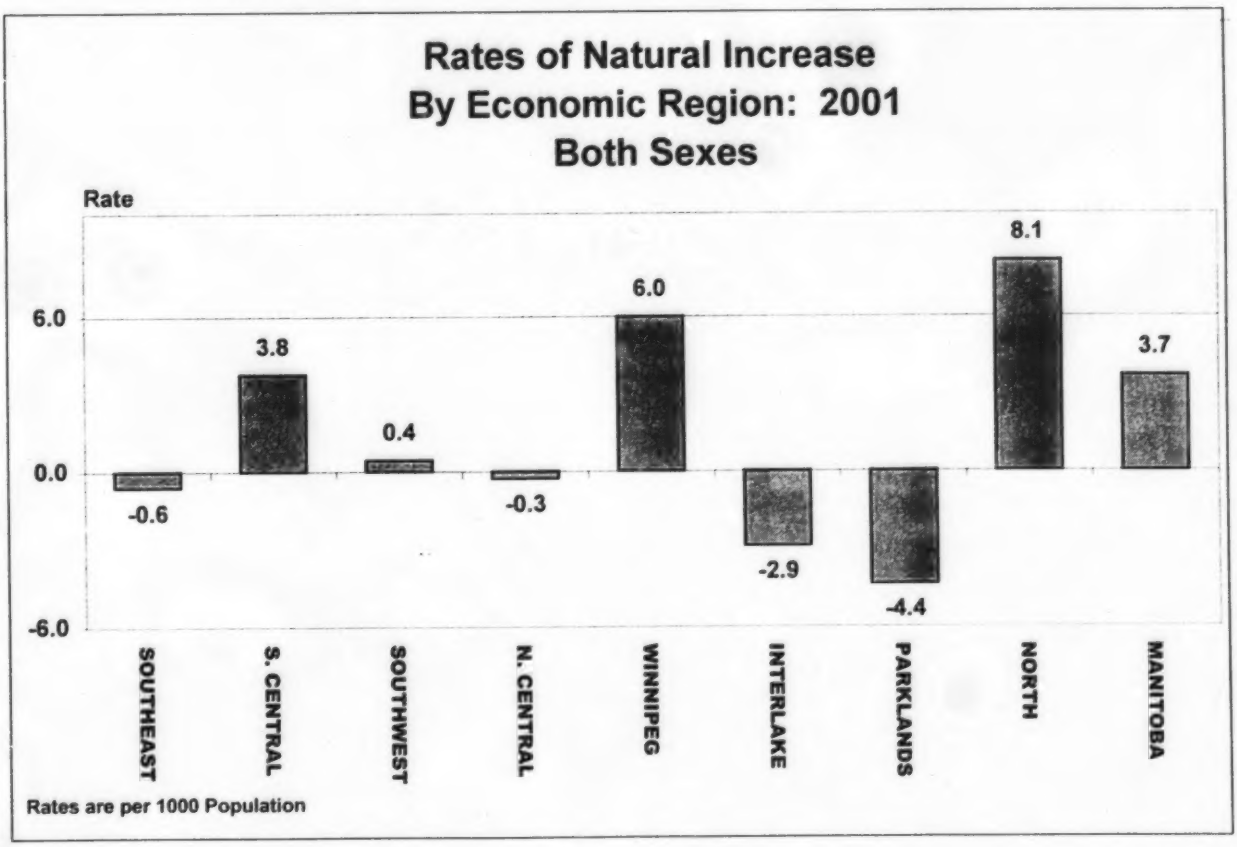


TABLE II MANITOBA 2001 VITAL STATISTICS BY ECONOMIC REGION FEMALES

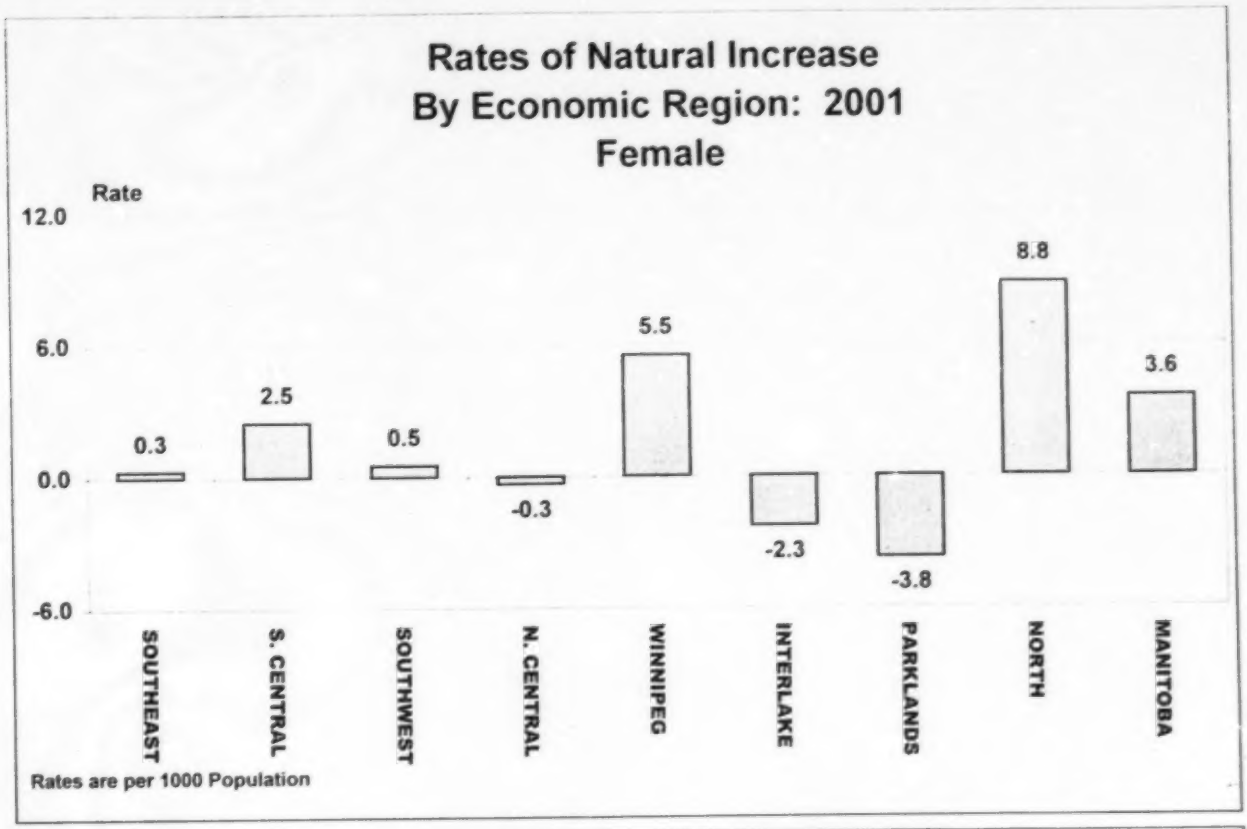
REGION	POPULATION IN 000'S (JULY 1/01)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	43.9	219	2	206	13	5.0	9.1	4.7	0.3
SOUTH CENTRAL	26.8	290	0	223	67	10.8	0.0	8.3	2.5
SOUTHWEST	53.5	598	1	570	28	11.2	1.7	10.7	0.5
NORTH CENTRAL	24.0	148	1	156	-8	6.2	6.8	6.5	-0.3
WINNIPEG	324.3	4,718	33	2,930	1,788	14.5	7.0	9.0	5.5
INTERLAKE	41.8	168	1	264	-96	4.0	6.0	6.3	-2.3
PARKLANDS	23.2	186	0	273	-87	8.0	0.0	11.8	-3.8
NORTH	42.6	508	5	134	374	11.9	9.8	3.1	8.8
MANITOBA	580.0	6,835	43	4,756	2,079	11.8	6.3	8.2	3.6

TABLE III MANITOBA 2001 VITAL STATISTICS BY ECONOMIC REGION MALES

REGION	POPULATION IN 000'S (JULY 1/01)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	45.3	182	0	249	-67	4.0	0.0	5.5	-1.5
SOUTH CENTRAL	26.9	333	5	198	135	12.4	15.0	7.4	5.0
SOUTHWEST	52.3	587	4	568	19	11.2	6.8	10.9	0.4
NORTH CENTRAL	24.8	170	1	175	-5	6.8	5.9	7.0	-0.2
WINNIPEG	309.0	4,898	55	2,897	2,001	15.9	11.2	9.4	6.5
INTERLAKE	43.4	148	0	298	-150	3.4	0.0	6.9	-3.5
PARKLANDS	23.1	184	2	299	-115	8.0	10.9	13.0	-5.0
NORTH	45.2	551	1	210	341	12.2	1.8	4.6	7.5
MANITOBA	570.1	7,053	68	4,894	2,159	12.4	9.6	8.6	3.8

NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPUALTION.
RATE FOR STILLBIRTHS IS PER 1000 LIVE BIRTHS.
ONE WINNIPEG AND ONE PARKLANDS STILLBIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
STATISTICS CANADA


Rates of Natural Increase
By Economic Region: 2001
Female
Rate
12.0
6.0
0.0
-6.0
0.3
2.5
0.5
-0.3
5.5
-2.3
-3.8
8.8
3.6
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA
Rates are per 1000 Population

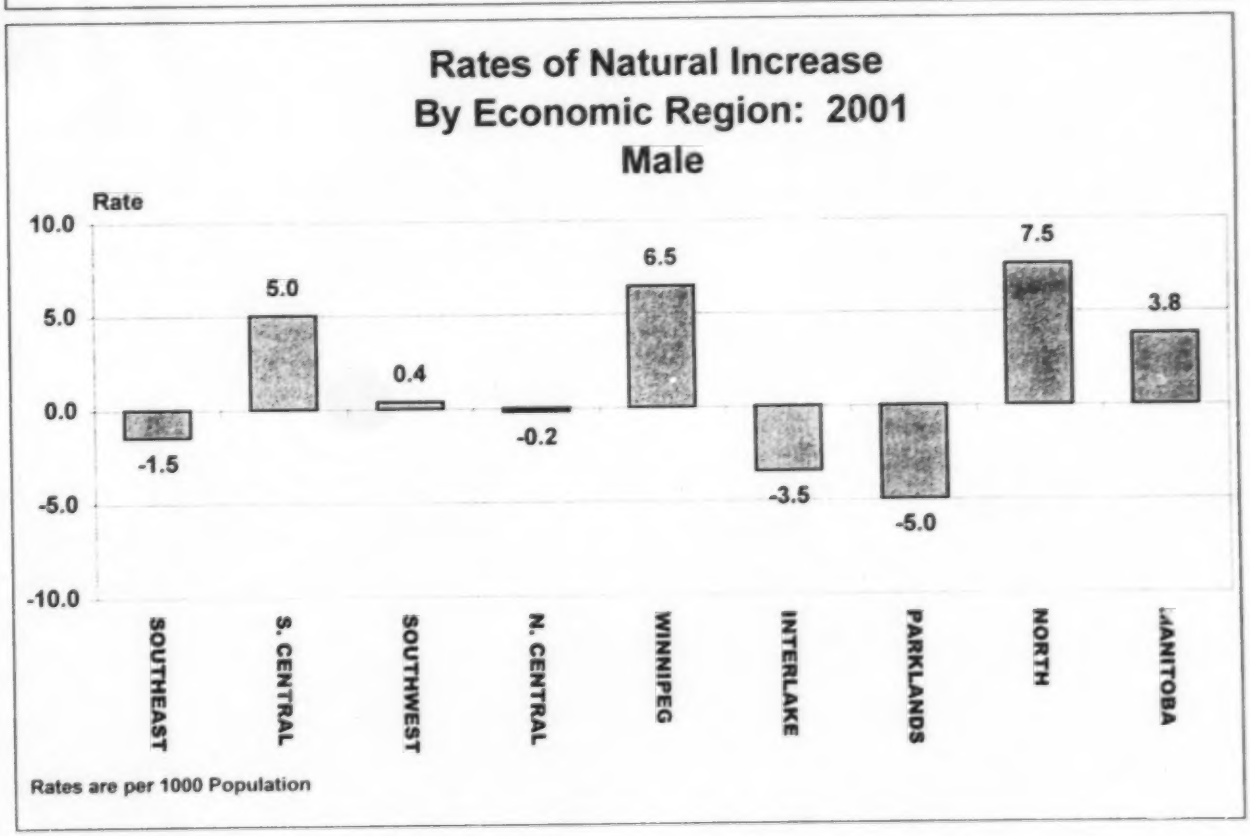
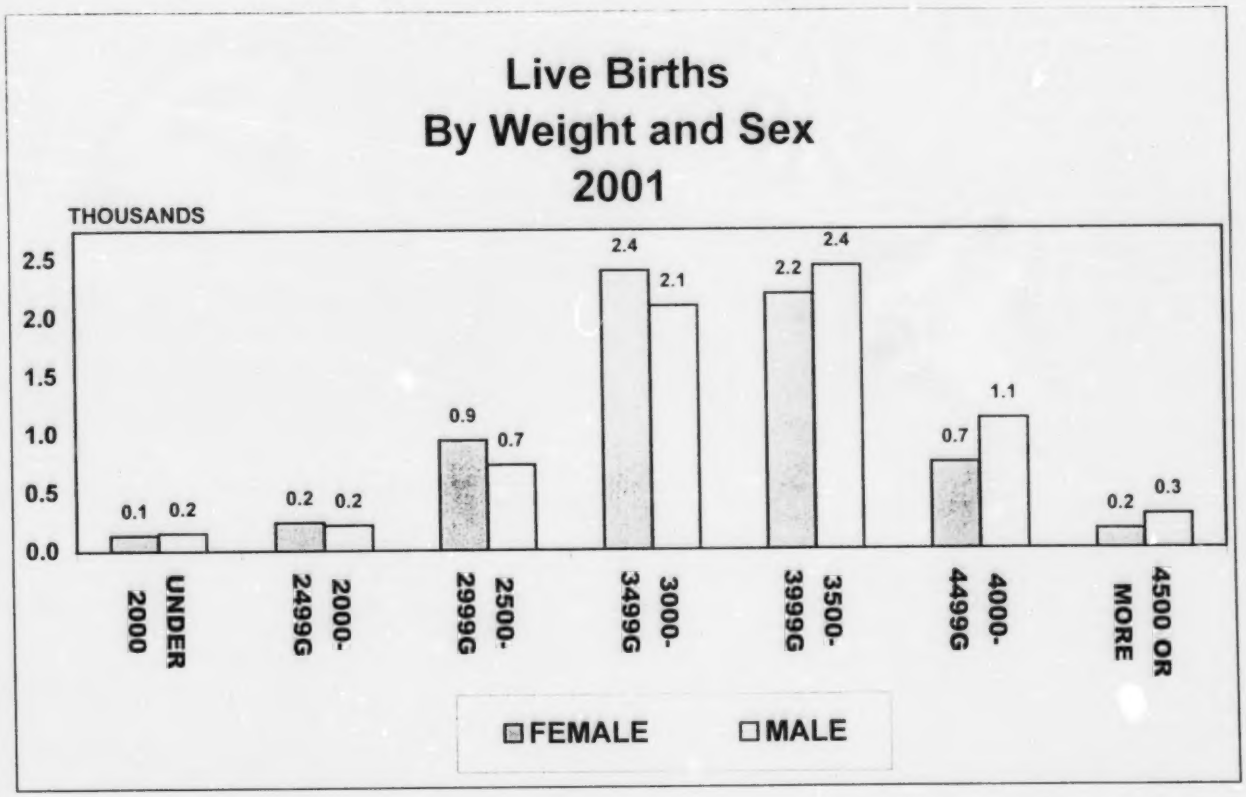

Rates of Natural Increase
By Economic Region: 2001
Male
Rate
10.0
5.0
0.0
-5.0
-10.0
-1.5
5.0
0.4
-0.2
6.5
-3.5
-5.0
7.5
3.8
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA
Rates are per 1000 Population

TABLE IV MANITOBA 2001 BIRTHS AND STILLBIRTHS BY WEIGHT

WEIGHT	BOTH SEXES LIVE BIRTHS	BOTH SEXES STILL BIRTHS	BOTH SEXES STILL BIRTH RATE	FEMALES LIVE BIRTHS	FEMALES STILL BIRTHS	FEMALES STILL BIRTH RATE	MALES LIVE BIRTHS	MALES STILL BIRTHS	MALES STILL BIRTH RATE
UNDER 500G	12	32	2,666.7	3	11	3,666.7	9	20	2,222.2
500 - 999G	55	25	454.5	19	9	473.7	36	15	416.7
1000-1499G	77	13	168.8	32	3	93.8	45	10	222.2
1500-1999G	150	7	46.7	84	3	35.7	66	4	60.6
2000-2499G	465	11	23.7	245	5	20.4	220	6	27.3
2500-2999G	1,681	8	4.8	947	4	4.2	734	4	5.4
3000-3499G	4,496	8	1.8	2,400	3	1.3	2,096	5	2.4
3500-3999G	4,633	5	1.1	2,196	2	0.9	2,437	3	1.2
4000-4499G	1,864	3	1.6	744	2	2.7	1,120	1	0.9
4500-4999G	403	1	2.5	150	1	6.7	253	0	0.0
5000-5499G	46	0	0.0	13	0	0.0	33	0	0.0
5500-5999G	6	0	0.0	2	0	0.0	4	0	0.0
6000-6499G	0	0	n/a	0	0	n/a	0	0	n/a
OVER 6500G	0	0	n/a	0	0	n/a	0	0	n/a
UNKNOWN	0	0	n/a	0	0	n/a	0	0	n/a
TOTALS	13,888	113	8.1	6,835	43	6.3	7,053	68	9.6

NOTE: STILLBIRTH RATE IS PER 1000 LIVE BIRTHS.
ONE UNDER 500G PARKLAND AND ONE 500-900G WINNIPEG STILLBIRTHS NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS


Live Births
By Weight and Sex
2001
THOUSANDS
2.5
2.0
1.5
1.0
0.5
0.0
0.1
0.2
0.2
0.2
0.9
0.7
2.4
2.1
2.2
2.4
0.7
1.1
0.2
0.3
UNDER 2000
2000-2499G
2500-2999G
3000-3499G
3500-3999G
4000-4499G
4500 OR MORE
FEMALE
MALE

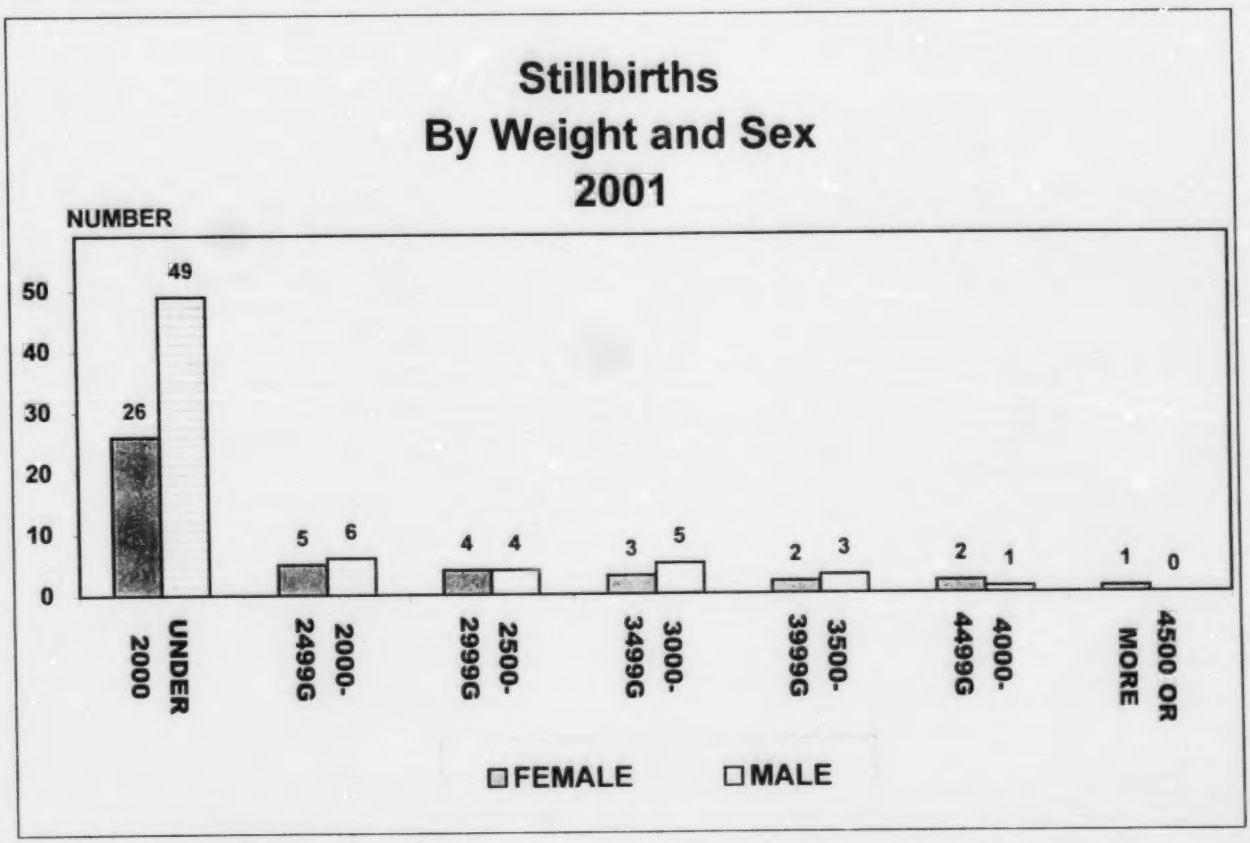
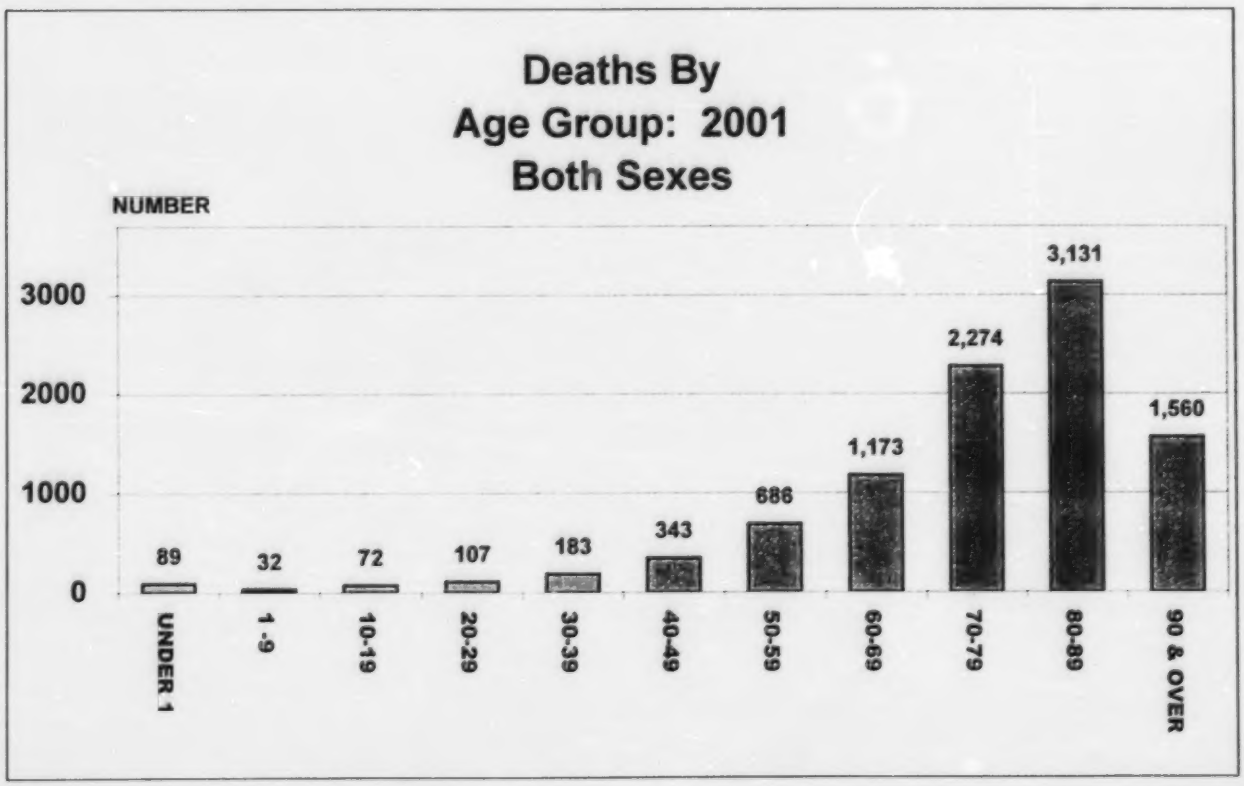

Stillbirths
By Weight and Sex
2001
NUMBER
50
40
30
20
10
0
26
49
5
6
4
4
3
5
2
3
2
1
1
0
UNDER 2000
2000-2499G
2500-2999G
3000-3499G
3500-3999G
4000-4499G
4500 OR MORE
FEMALE
MALE

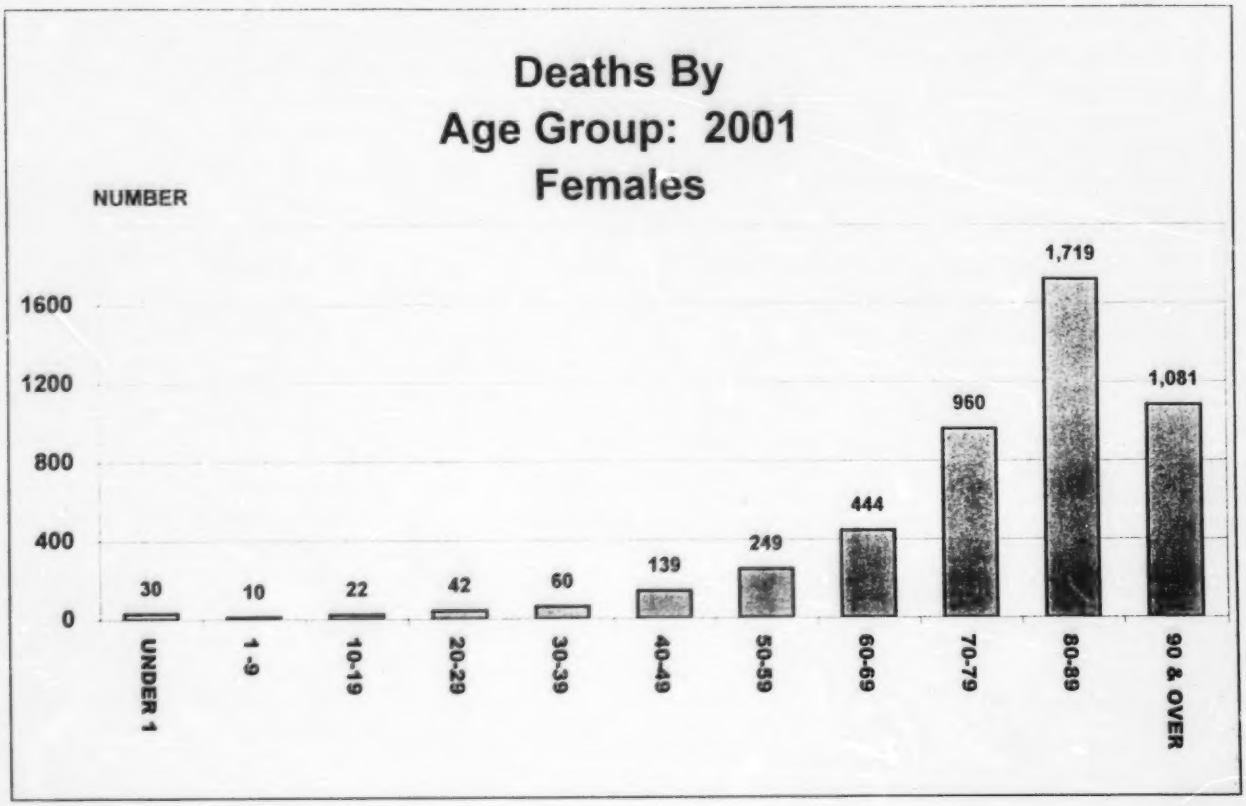
TABLE V MANITOBA 2001 DEATHS BY AGE GROUP AND SEX

AGE IN YEARS	BOTH SEXES POPULATION IN 000'S JULY 1/00	BOTH SEXES DEATHS	BOTH SEXES DEATH RATE	FEMALES POPULATION IN 000'S JULY 1/00	FEMALES DEATHS	FEMALES DEATH RATE	MALES POPULATION IN 000'S JULY 1/00	MALES DEATHS	MALES DEATH RATE
UNDER 1	14.1	89	6.3	6.9	30	4.4	7.3	59	8.1
1 - 4	57.9	20	0.3	28.2	7	0.2	29.7	13	0.4
5 - 9	81.8	12	0.1	39.9	3	0.1	41.9	9	0.2
10-14	84.5	13	0.2	41.0	6	0.1	43.5	7	0.2
15-19	81.9	59	0.7	40.0	16	0.4	41.9	43	1.0
20-24	78.0	48	0.6	38.3	14	0.4	39.7	34	0.9
25-29	78.7	59	0.7	38.3	28	0.7	40.4	31	0.8
30-34	78.4	66	0.8	38.3	19	0.5	40.1	47	1.2
35-39	89.3	117	1.3	43.9	41	0.9	45.4	76	1.7
40-44	91.3	134	1.5	45.2	57	1.3	46.1	77	1.7
45-49	83.2	209	2.5	41.8	82	2.0	41.5	127	3.1
50-54	73.8	287	3.9	37.1	107	2.9	36.7	180	4.9
55-59	56.3	399	7.1	28.3	142	5.0	28.0	257	9.2
60-64	45.4	503	11.1	23.1	194	8.4	22.2	309	13.9
65-69	40.4	670	16.6	20.9	250	12.0	19.5	420	21.5
70-74	37.4	940	25.1	20.3	376	18.5	17.1	564	33.0
75-79	33.4	1,334	40.0	19.5	584	30.0	13.9	750	54.1
80-84	23.0	1,506	65.5	14.4	773	53.6	8.6	733	85.5
85-89	14.0	1,625	115.9	9.4	946	100.7	4.6	679	146.8
90 & OVER	7.3	1,560	214.1	5.3	1,081	204.2	2.0	479	240.3
TOTALS	1,150.0	9,650	8.4	580.0	4,756	8.2	570.1	4,894	8.6

NOTE: DEATH RATE IS DEATHS PER 1000 POPULATION.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
STATISTICS CANADA




Deaths By
Age Group: 2001
Females
NUMBER
1600
1200
800
400
0
30
10
22
42
60
139
249
444
960
1,719
1,081
UNDER 1
1-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
80-89
90 & OVER

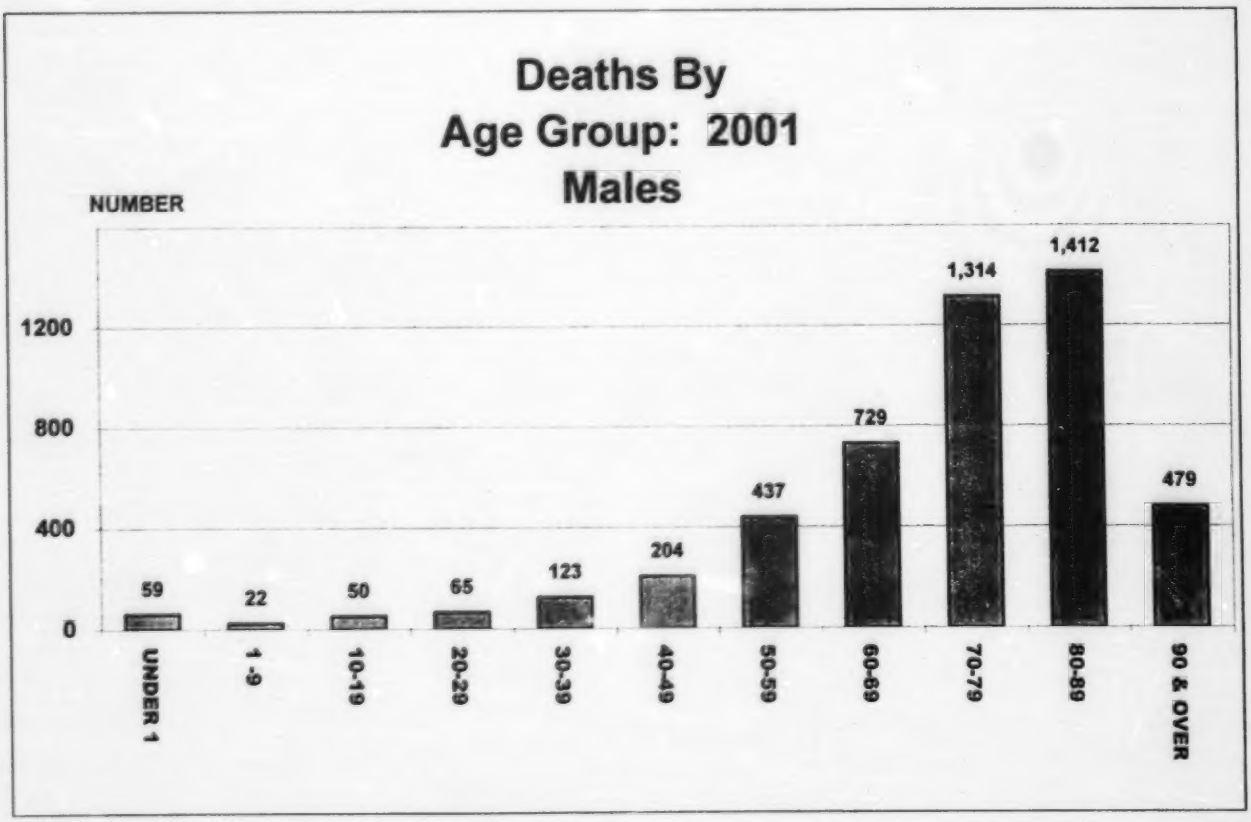
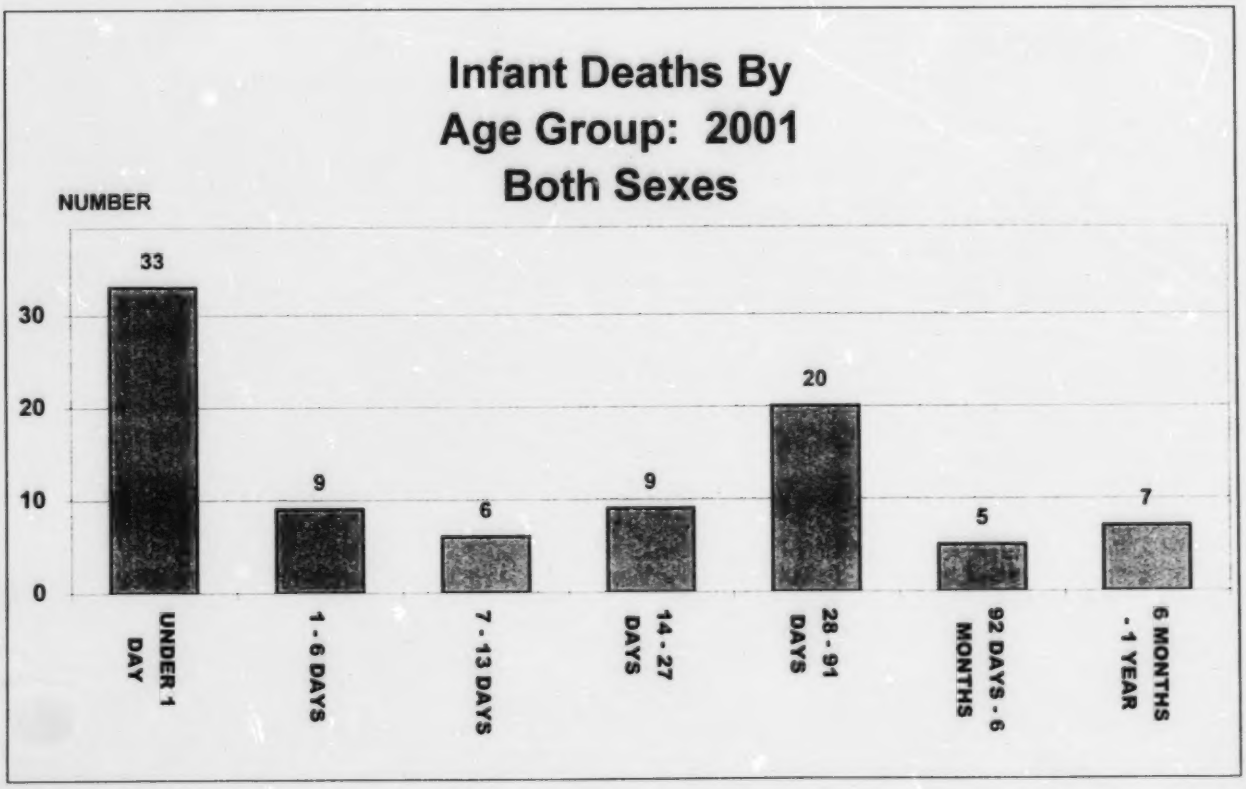

Deaths By
Age Group: 2001
Males
NUMBER
1200
800
400
0
59
22
50
65
123
204
437
729
1,314
1,412
479
UNDER 1
1-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
80-89
90 & OVER

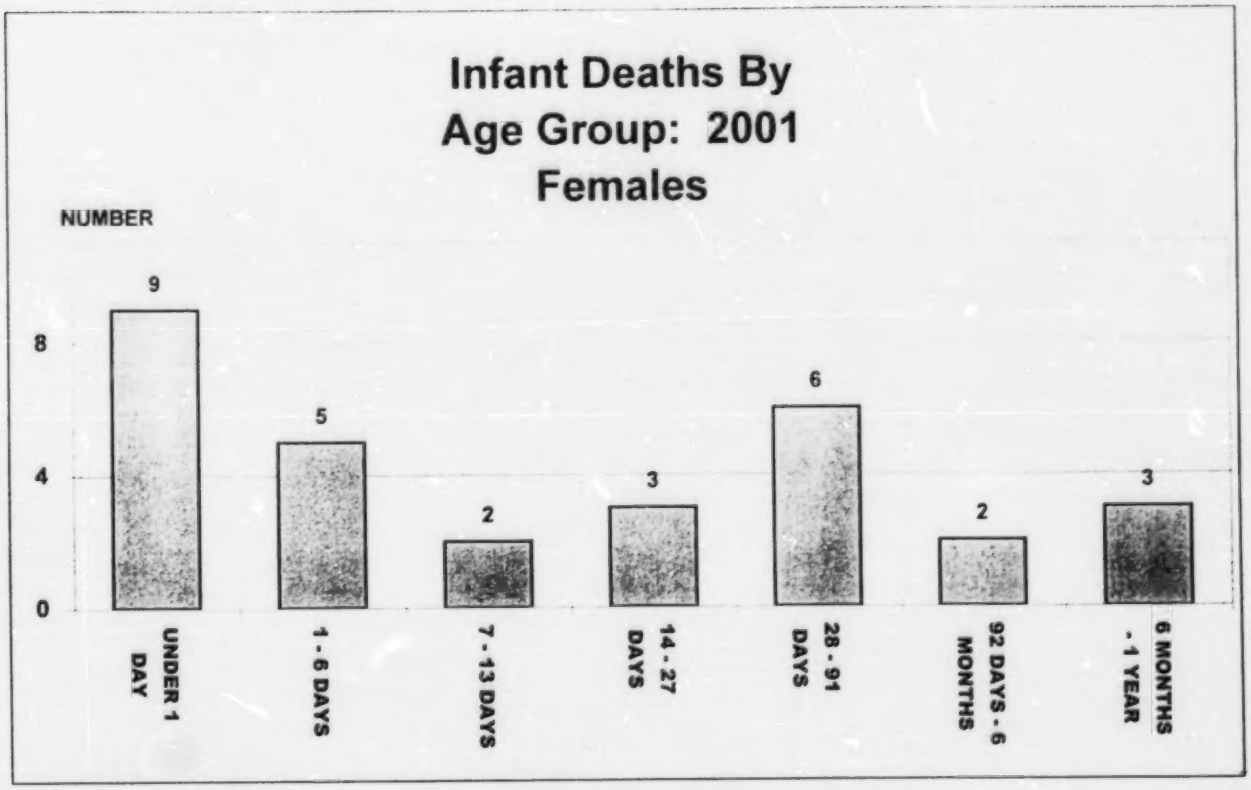
TABLE VI MANITOBA 2001 INFANT DEATHS BY AGE

AGE	BOTH SEXES		FEMALES		MALES	
	DEATHS	DEATH RATE	DEATHS	DEATH RATE	DEATHS	DEATH RATE
UNDER 1 DAY	33	2.4	9	1.3	24	3.4
1 - 6 DAYS	9	0.6	5	0.7	4	0.6
7 - 13 DAYS	6	0.4	2	0.3	4	0.6
14 - 27 DAYS	9	0.6	3	0.4	6	0.9
28 - 91 DAYS	20	1.4	6	0.9	14	2.0
92 DAYS - 6 MONTHS	5	0.4	2	0.3	3	0.4
6 MONTHS - 1 YEAR	7	0.5	3	0.4	4	0.6
NEONATAL	57	4.1	19	2.8	38	5.4
POST-NEONATAL	32	2.3	11	1.6	21	3.0
INFANT	89	6.4	30	4.4	59	8.4
PERINATAL	155	11.1	57	8.3	96	13.5

NOTE: INFANT DEATH (UNDER 1 YEAR) RATES ARE PER 1000 LIVE BIRTHS.
PERINATAL DEATH RATES ARE PER 1000 TOTAL BIRTHS.
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.
TWO STILLBIRTHS NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS




Infant Deaths By
Age Group: 2001
Females
NUMBER
9
5
2
3
6
2
3
8
4
0
UNDER 1 DAY
1 - 6 DAYS
7 - 13 DAYS
14 - 27 DAYS
28 - 91 DAYS
92 DAYS - 6 MONTHS
6 MONTHS - 1 YEAR

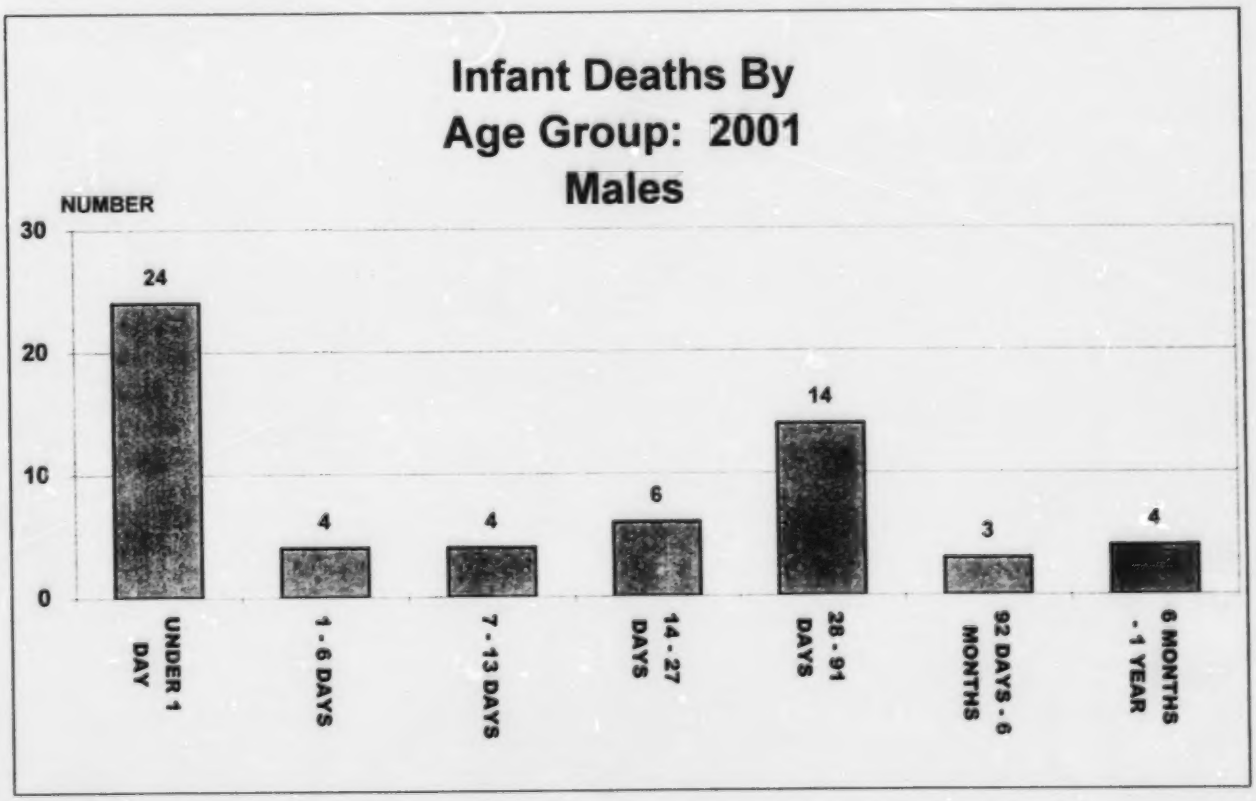
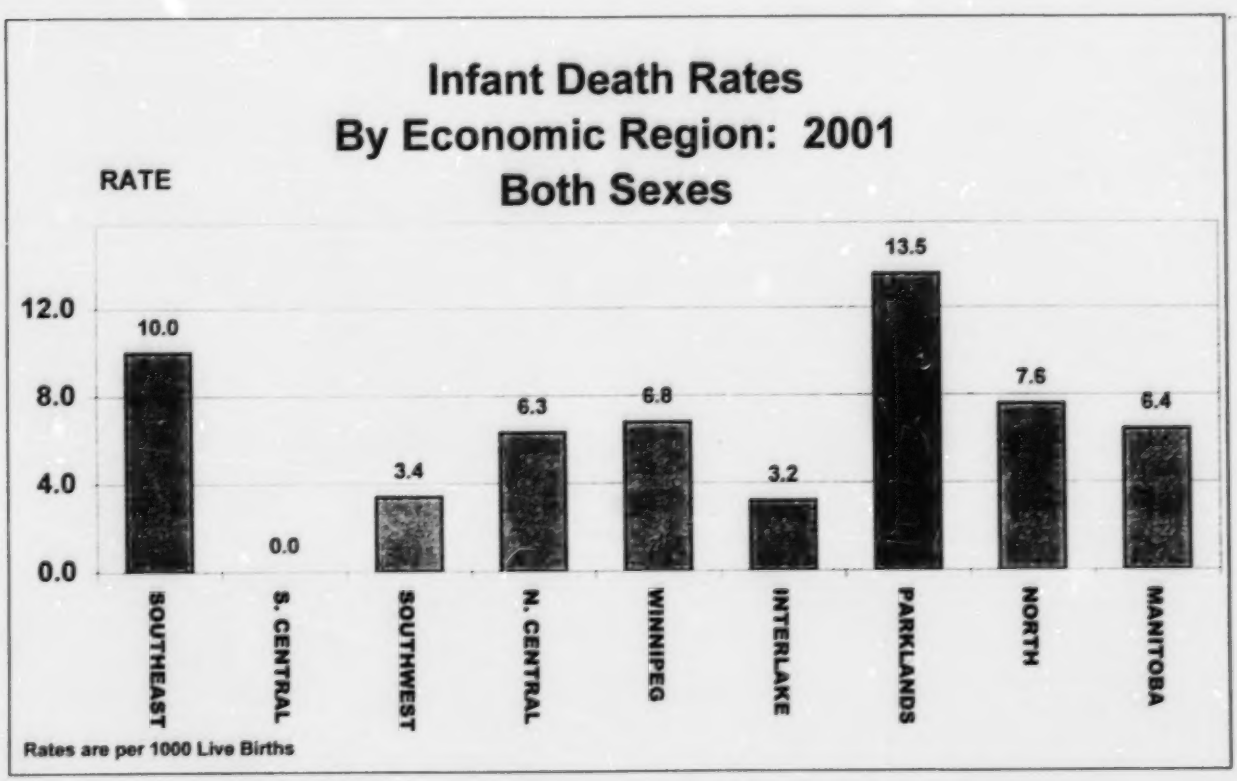

Infant Deaths By
Age Group: 2001
Males
NUMBER
24
4
4
6
14
3
4
30
20
10
0
UNDER 1 DAY
1 - 6 DAYS
7 - 13 DAYS
14 - 27 DAYS
28 - 91 DAYS
92 DAYS - 6 MONTHS
6 MONTHS - 1 YEAR

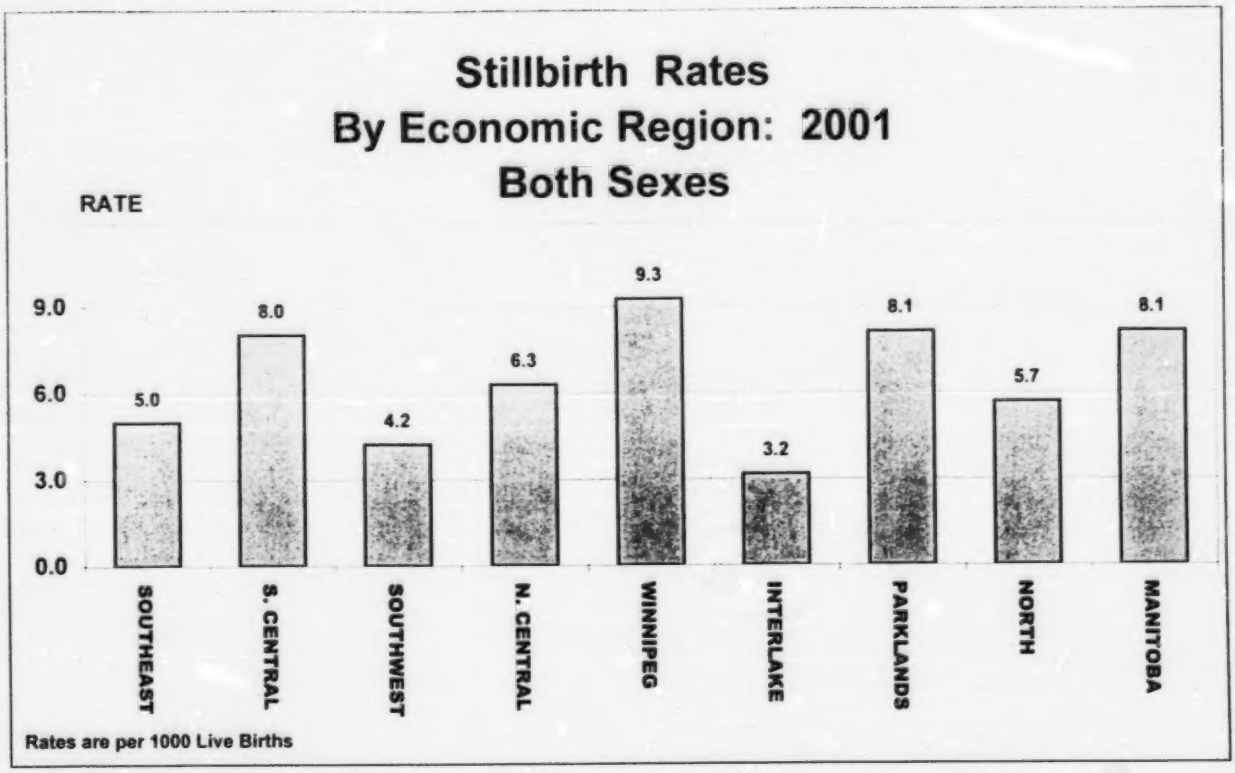
TABLE VII MANITOBA 2001 INFANT DEATHS BY TYPE AND ECONOMIC REGION BOTH SEXES

	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
TYPE									
INFANT	4	0	4	2	65	1	5	8	89
NEONATAL	3	0	2	0	46	0	2	4	57
POST-NEONATAL	1	0	2	2	19	1	3	4	32
STILLBIRTHS	2	5	5	2	89	1	3	6	113
PERINATAL	5	5	6	2	122	1	4	10	155
RATE (per 1,000 live births)									
INFANT	10.0	0.0	3.4	6.3	6.8	3.2	13.5	7.6	6.4
STILLBIRTHS	5.0	8.0	4.2	6.3	9.3	3.2	8.1	5.7	8.1
PERINATAL (per 1,000 total births)	12.4	8.0	5.0	6.3	12.6	3.2	10.7	9.4	11.1

NOTE: INFANT DEATH (UNDER 1 YEAR) RATES ARE PER 1000 LIVE BIRTHS.
PERINATAL DEATH RATES ARE PER 1000 TOTAL BIRTHS.
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS




Stillbirth Rates
By Economic Region: 2001
Both Sexes
RATE
9.0
6.0
3.0
0.0
5.0
8.0
4.2
6.3
9.3
3.2
8.1
5.7
8.1
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA
Rates are per 1000 Live Births

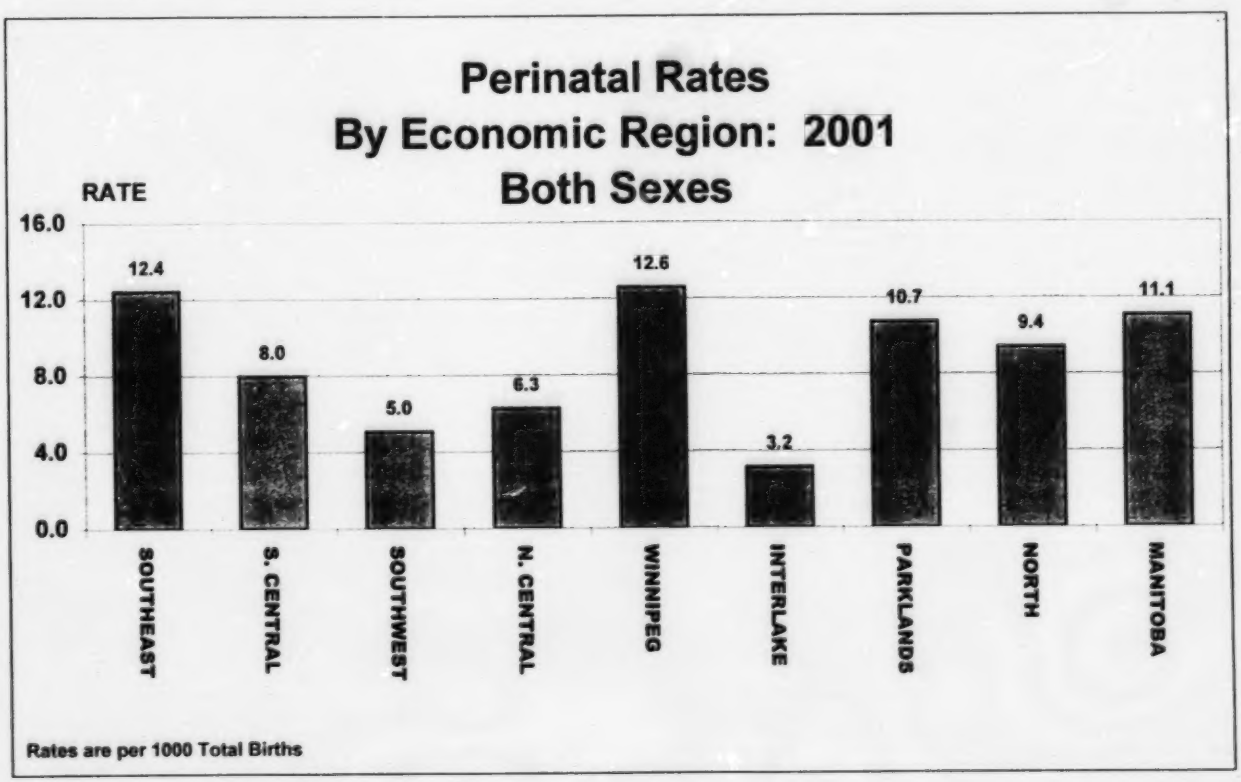
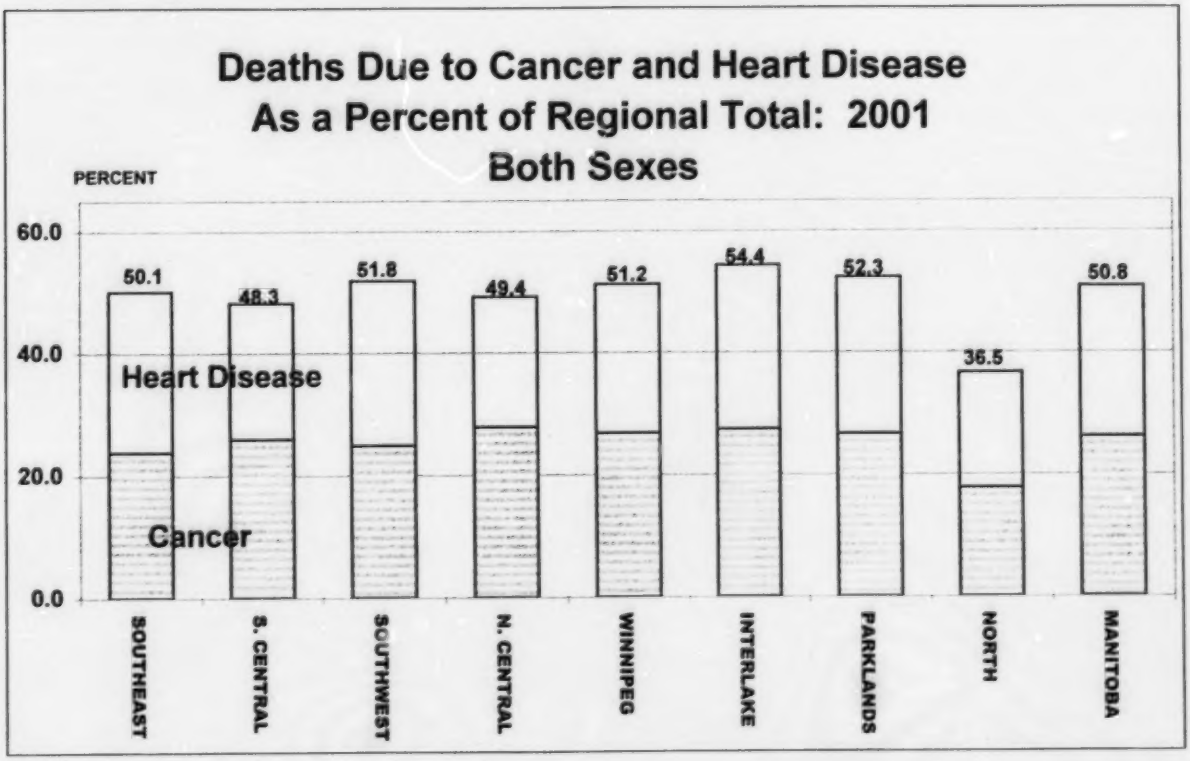
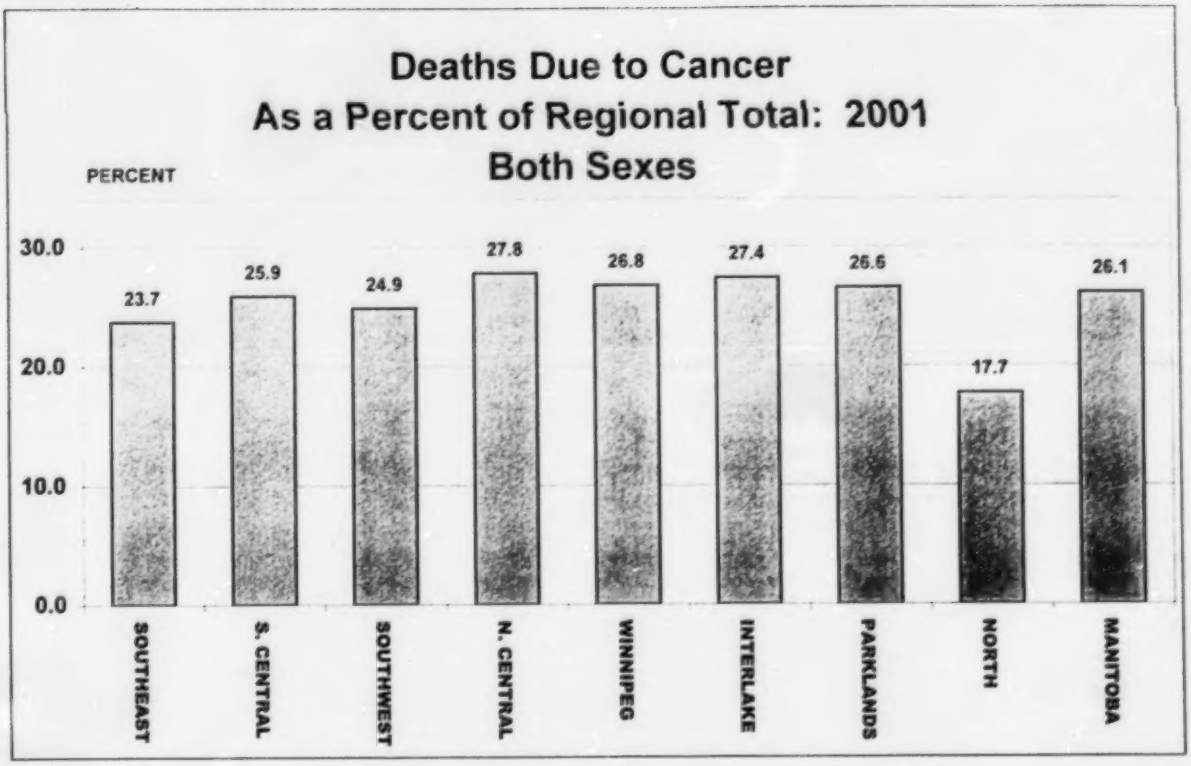

Perinatal Rates
By Economic Region: 2001
Both Sexes
RATE
16.0
12.0
8.0
4.0
0.0
12.4
8.0
5.0
6.3
12.6
3.2
10.7
9.4
11.1
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA
Rates are per 1000 Total Births

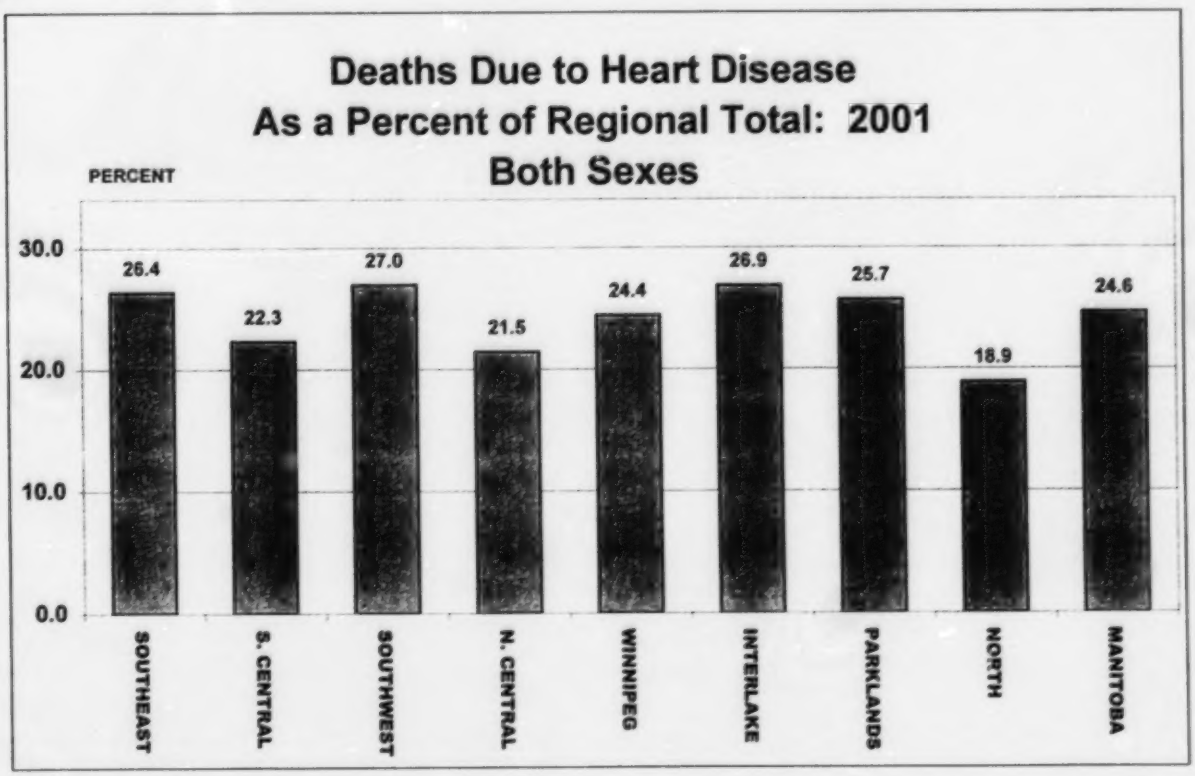
TABLE VIII MANITOBA 2001 DEATHS BY CAUSE OF DEATH AND ECONOMIC REGION BOTH SEXES

	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
CANCER	108	109	283	92	1,560	154	152	61	2,519
HEART DISEASE	120	94	307	71	1,423	151	147	65	2,378
CEREBROVASCULAR DISEASE	33	35	75	22	409	45	42	19	680
ACCIDENTS	31	21	48	20	235	26	34	60	475
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	10	13	60	11	221	13	22	11	361
HEREDITARY AND DEGENERATIVE CENTRAL NERVOUS SYSTEM	18	21	39	14	198	28	14	7	339
DIABETES	21	21	42	14	168	24	25	17	332
PSYCHOSES	18	9	37	3	176	7	13	4	267
OTHER DISEASES OF THE DIGESTIVE SYSTEM	9	7	21	6	122	12	10	8	195
PNEUMONIA	9	12	19	12	103	12	17	4	188
NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS	11	12	26	8	110	5	9	5	186
DISEASES OF ARTERIES, ARTERIOLES, CAPILLARIES	6	3	14	4	125	8	11	5	176
OTHER RESPIRATORY DISEASES	4	5	16	4	63	6	2	5	105
INFECTIOUS AND PARASITIC DISEASES	3	5	9	1	83	2	1	3	107
HYPERTENSIVE DISEASE	2	4	13	2	67	4	7	1	100
OTHER INTESTINAL AND PERITONEUM	5	2	16	2	65	3	5	2	100
METABOLIC AND IMMUNITY DISORDERS	2	3	11	4	55	4	3	1	83
MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	2	3	9	2	49	5	5	1	76
SYMPTOMS AND ABNORMAL FINDINGS	1	9	16	1	30	2	5	5	69
ILL-DEFINED AND UNKNOWN CAUSES	15	10	9	10	124	23	7	18	216
OTHER CAUSES	27	23	68	28	441	28	41	42	698
TOTAL	455	421	1,138	331	5,827	562	572	344	9,650

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS




Deaths Due to Cancer
As a Percent of Regional Total: 2001
Both Sexes
PERCENT
30.0
20.0
10.0
0.0
23.7
25.9
24.9
27.8
26.8
27.4
26.6
17.7
26.1
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA


Deaths Due to Heart Disease
As a Percent of Regional Total: 2001
Both Sexes
PERCENT
30.0
20.0
10.0
0.0
26.4
22.3
27.0
21.5
24.4
26.9
25.7
18.9
24.6
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA

APPENDIX A

BIRTHS BY WEIGHT AND ECONOMIC REGION

TABLE A1 BIRTHS BY WEIGHT AND ECONOMIC REGION: 2001 FEMALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	--	--	--	--	3	--	--	--	3
500- 999G	--	--	--	--	17	--	--	2	19
1000-1499G	--	--	2	--	29	--	--	1	32
1500-1999G	--	--	4	--	73	1	--	6	84
2000-2499G	3	8	12	3	196	1	2	20	245
2500-2999G	25	34	74	17	701	17	16	63	947
3000-3499G	82	92	241	49	1,674	56	59	147	2,400
3500-3999G	77	107	202	62	1,431	65	70	182	2,196
4000-4499G	25	36	46	12	496	24	30	75	744
4500-4999G	6	12	16	4	91	4	6	11	150
5000-5499G	1	1	1	1	6	--	3	--	13
5500-5999G	--	--	--	--	1	--	--	1	2
6000G OR MORE	--	--	--	--	--	--	--	--	0
UNKNOWN	--	--	--	--	--	--	--	--	0
TOTAL	219	290	598	148	4,718	168	186	508	6,835

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

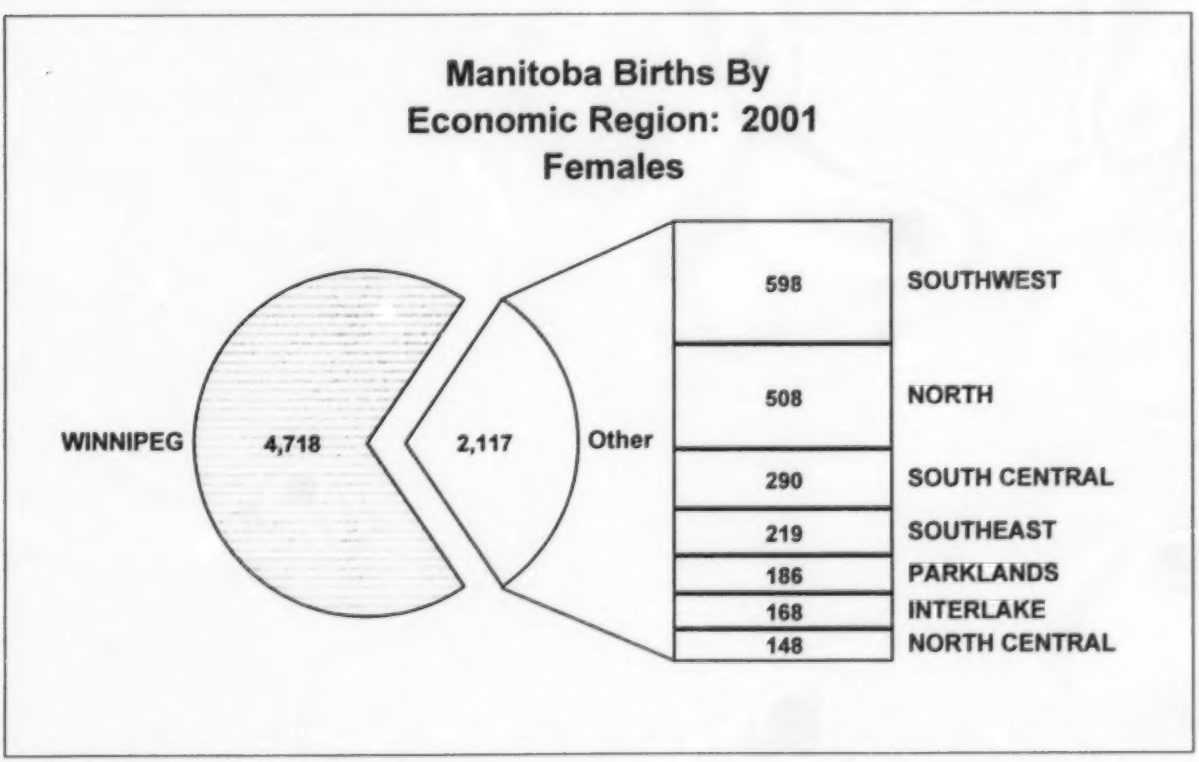


TABLE A2 BIRTHS BY WEIGHT AND ECONOMIC REGION: 2001 MALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	2	--	--	--	7	--	--	--	9
500- 999G	1	--	--	--	32	1	1	1	36
1000-1499G	--	--	1	--	41	--	--	3	45
1500-1999G	--	--	4	--	62	--	--	--	66
2000-2499G	1	4	13	2	176	1	2	21	220
2500-2999G	9	31	50	9	544	12	16	63	734
3000-3499G	48	93	172	60	1,492	44	48	139	2,096
3500-3999G	81	124	217	64	1,643	52	61	195	2,437
4000-4499G	32	59	119	26	723	29	41	91	1,120
4500-4999G	6	21	9	8	153	9	14	33	253
5000-5499G	2	--	2	1	23	--	--	5	33
5500-5999G	--	1	--	--	2	--	1	--	4
6000G OR MORE	--	--	--	--	--	--	--	--	0
UNKNOWN	--	--	--	--	--	--	--	--	0
TOTAL	182	333	587	170	4,898	148	184	551	7,053

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

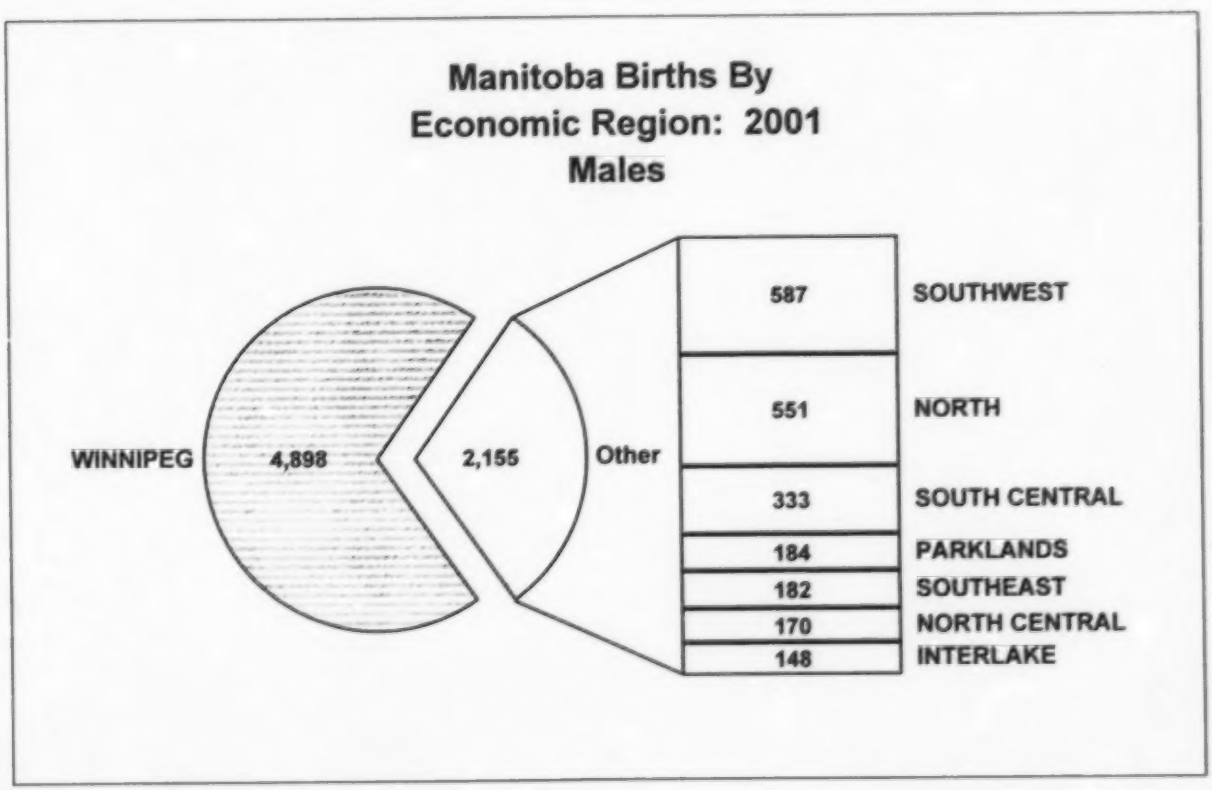
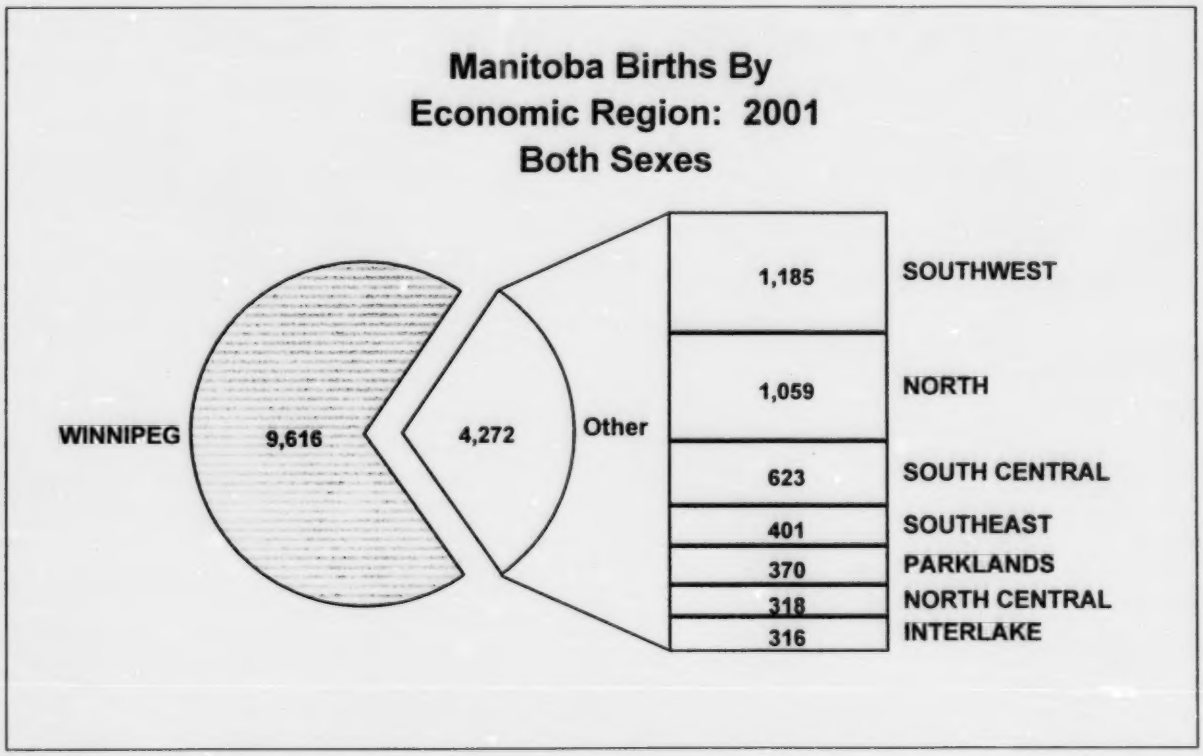


TABLE A3 BIRTHS BY WEIGHT AND ECONOMIC REGION: 2001 BOTH SEXES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	2	--	--	--	10	--	--	--	12
500- 999G	1	--	--	--	49	1	1	3	55
1000-1499G	--	--	3	--	70	--	--	4	77
1500-1999G	--	--	8	--	135	1	--	6	150
2000-2499G	4	12	25	5	372	2	4	41	465
2500-2999G	34	65	124	26	1,245	29	32	126	1,681
3000-3499G	130	185	413	109	3,166	100	107	286	4,496
3500-3999G	158	231	419	126	3,074	117	131	377	4,633
4000-4499G	57	95	165	38	1,219	53	71	166	1,864
4500-4999G	12	33	25	12	244	13	20	44	403
5000-5499G	3	1	3	2	29	--	3	5	46
5500-5999G	--	1	--	--	3	--	1	1	6
6000G OR MORE	--	--	--	--	--	--	--	--	0
UNKNOWN	--	--	--	--	--	--	--	--	0
TOTAL	401	623	1,185	318	9,616	316	370	1,059	13,888

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
MANITOBA BUREAU OF STATISTICS



APPENDIX B

STILLBIRTHS BY WEIGHT AND ECONOMIC REGION

TABLE B1 STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 2001 FEMALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	--	--	1	--	10	--	--	--	11
500- 999G	1	--	--	1	5	--	--	2	9
1000-1499G	--	--	--	--	1	--	--	2	3
1500-1999G	1	--	--	--	2	--	--	--	3
2000-2499G	--	--	--	--	5	--	--	--	5
2500-2999G	--	--	--	--	2	1	--	1	4
3000-3499G	--	--	--	--	3	--	--	--	3
3500-3999G	--	--	--	--	2	--	--	--	2
4000-4499G	--	--	--	--	2	--	--	--	2
4500-4999G	--	--	--	--	1	--	--	--	1
5000-5499G	--	--	--	--	--	--	--	--	--
5500-5999G	--	--	--	--	--	--	--	--	--
6000G OR MORE	--	--	--	--	--	--	--	--	--
UNKNOWN	--	--	--	--	--	--	--	--	--
TOTAL	2	0	1	1	33	1	0	5	43

NOTE: ONE UNDER 500G PARKLAND AND ONE 500-900G WINNIPEG STILLBIRTHS NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

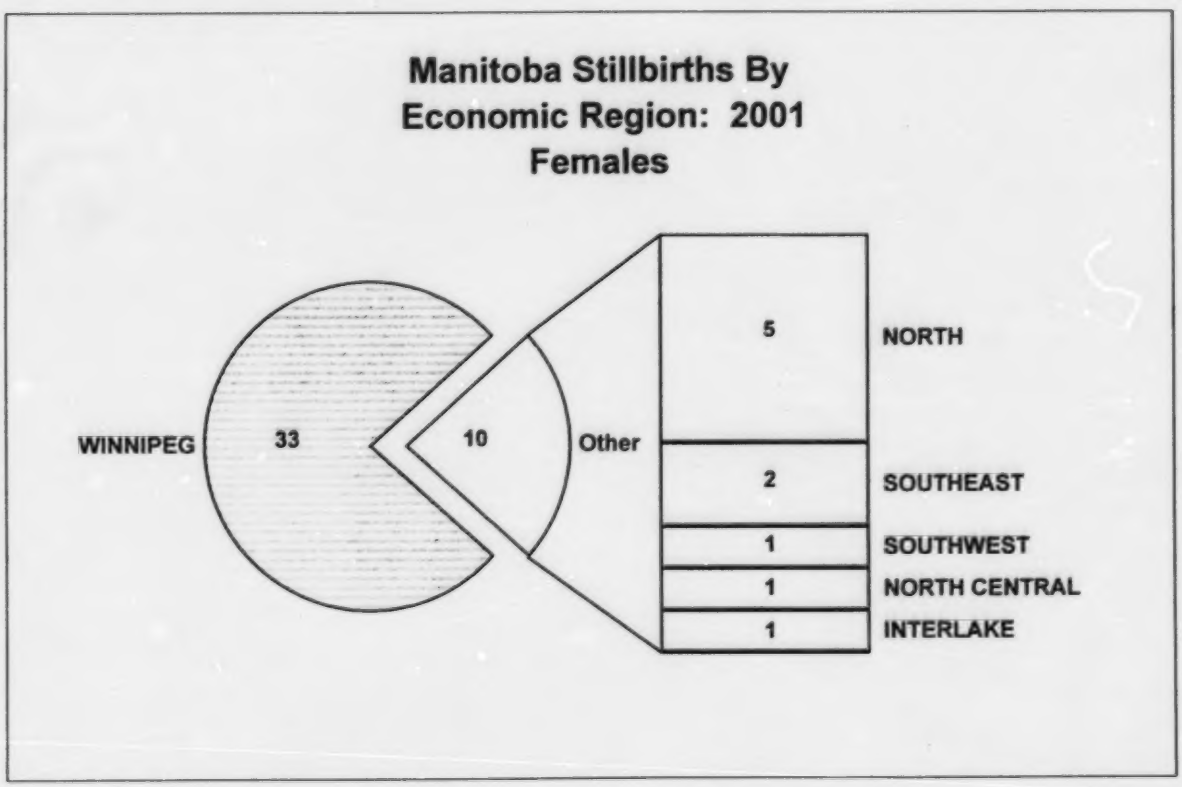


TABLE B2 STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 2001 MALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	--	--	2	--	17	--	1	--	20
500- 999G	--	2	--	1	11	--	1	--	15
1000-1499G	--	2	--	--	8	--	--	--	10
1500-1999G	--	--	--	--	4	--	--	--	4
2000-2499G	--	--	1	--	5	--	--	--	6
2500-2999G	--	--	--	--	4	--	--	--	4
3000-3499G	--	1	1	--	2	--	--	1	5
3500-3999G	--	--	--	--	3	--	--	--	3
4000-4499G	--	--	--	--	1	--	--	--	1
4500-4999G	--	--	--	--	--	--	--	--	--
5000-5499G	--	--	--	--	--	--	--	--	--
5500-5999G	--	--	--	--	--	--	--	--	--
6000G OR MORE	--	--	--	--	--	--	--	--	--
UNKNOWN	--	--	--	--	--	--	--	--	--
TOTAL	0	5	4	1	55	0	2	1	68

NOTE: ONE UNDER 500G PARKLAND AND ONE 500-900G WINNIPEG STILLBIRTHS NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

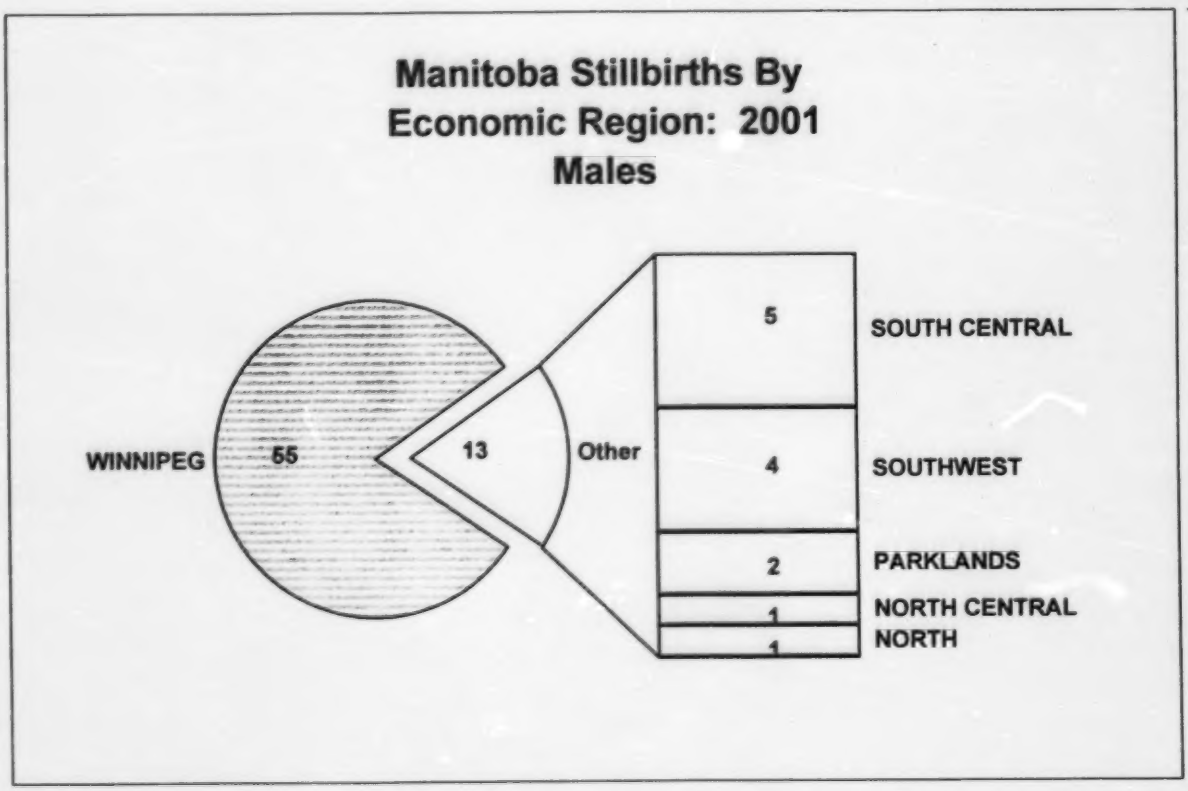
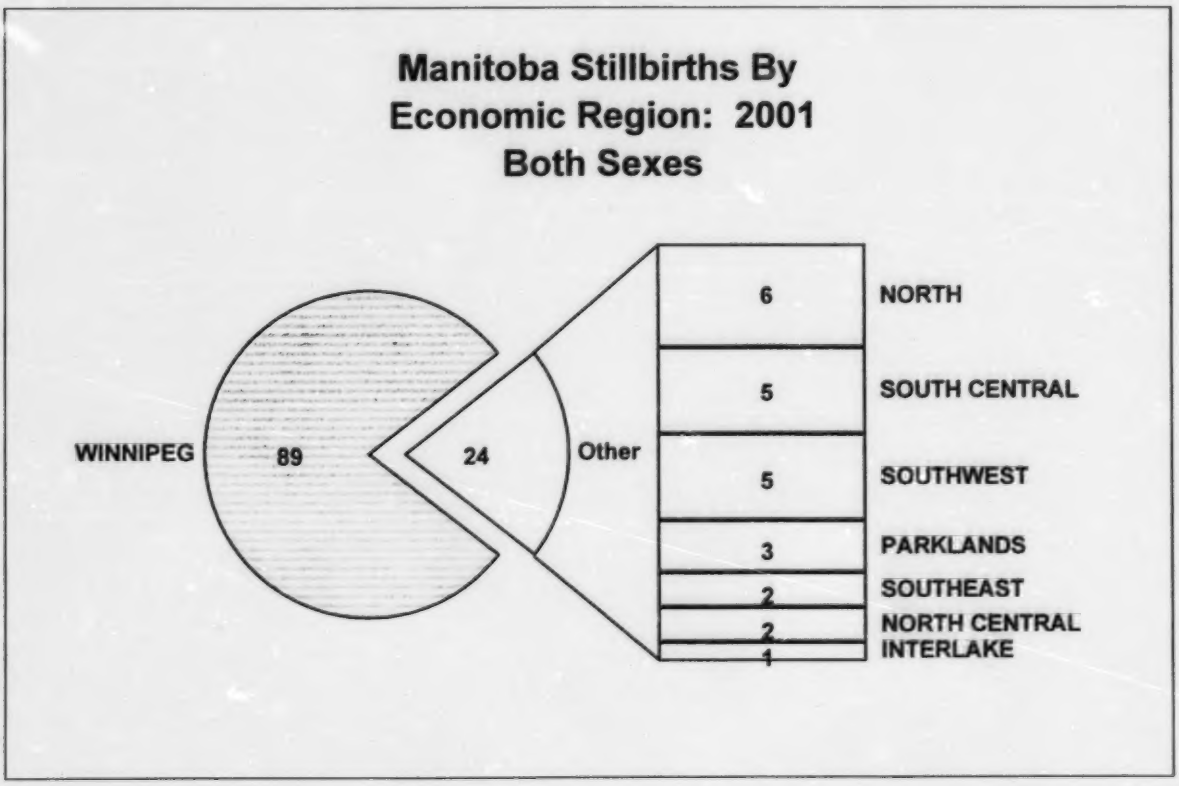


TABLE B3 STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 2001 BOTH SEXES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	--	--	3	--	27	--	2	--	32
500- 999G	1	2	--	2	17	--	1	2	25
1000-1499G	--	2	--	--	9	--	--	2	13
1500-1999G	1	--	--	--	6	--	--	--	7
2000-2499G	--	--	1	--	10	--	--	--	11
2500-2999G	--	--	--	--	6	1	--	1	8
3000-3499G	--	1	1	--	5	--	--	1	8
3500-3999G	--	--	--	--	5	--	--	--	5
4000-4499G	--	--	--	--	3	--	--	--	3
4500-4999G	--	--	--	--	1	--	--	--	1
5000-5499G	--	--	--	--	--	--	--	--	--
5500-5999G	--	--	--	--	--	--	--	--	--
6000G OR MORE	--	--	--	--	--	--	--	--	--
UNKNOWN	--	--	--	--	--	--	--	--	--
TOTAL	2	5	5	2	89	1	3	6	113

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS



APPENDIX C

DEATHS BY AGE GROUP AND ECONOMIC REGION

TABLE C1 DEATHS BY AGE GROUP AND ECONOMIC REGION: 2001 FEMALES

AGE IN YEARS	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1	2	--	2	1	20	--	3	2	30
1- 4	--	--	--	--	4	--	1	2	7
5- 9	1	1	--	--	1	--	--	--	3
10-14	--	--	1	--	3	--	--	2	6
15-19	1	2	2	--	10	--	--	1	16
20-24	1	--	--	--	8	1	--	4	14
25-29	1	1	2	2	11	--	2	9	28
30-34	--	1	3	--	12	1	--	2	19
35-39	2	1	1	1	27	2	3	4	41
40-44	3	1	3	2	41	3	2	2	57
45-49	3	3	6	4	48	9	4	5	82
50-54	4	4	10	6	68	5	6	4	107
55-59	5	3	9	10	101	5	3	6	142
60-64	7	6	20	4	127	14	9	7	194
65-69	9	4	30	5	164	18	11	9	250
70-74	13	13	39	13	235	23	27	13	376
75-79	19	24	75	19	376	24	33	14	584
80-84	29	46	106	19	474	44	35	20	773
85-89	53	56	115	27	568	53	60	14	946
90 AND OVER	53	57	146	43	632	62	74	14	1,081
TOTAL	206	223	570	156	2,930	264	273	134	4,756

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

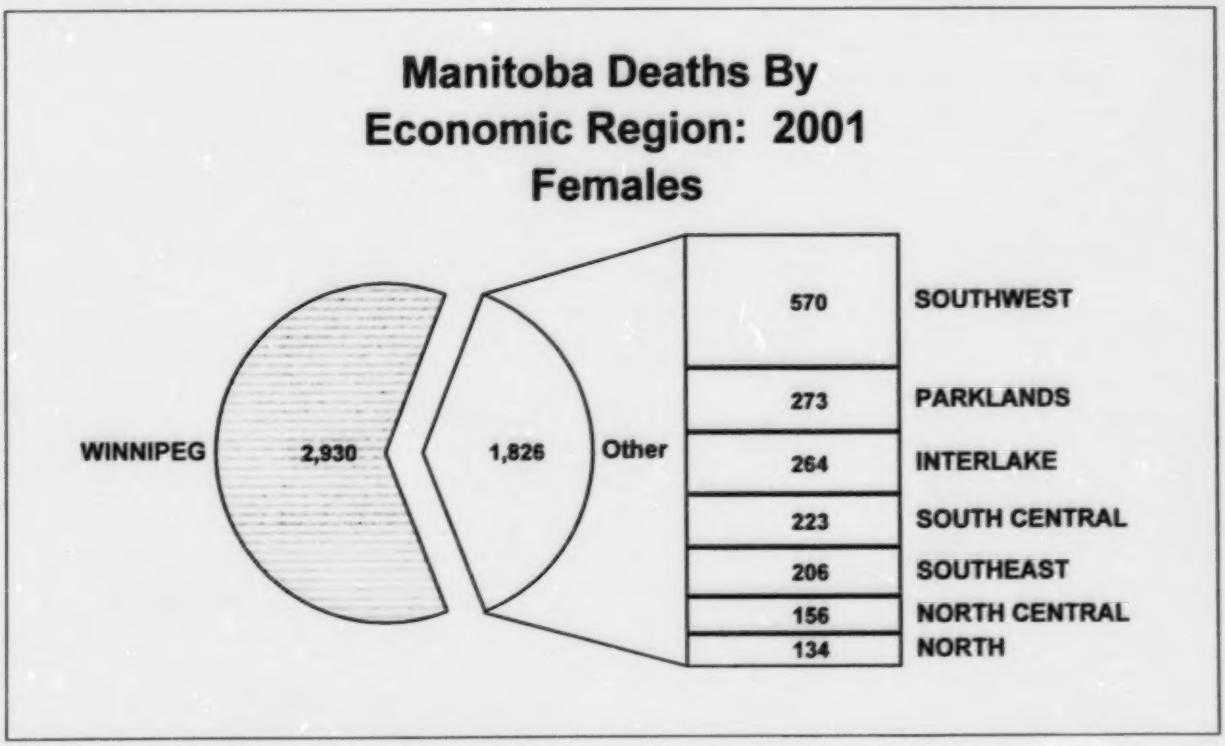


TABLE C2 DEATHS BY AGE GROUP AND ECONOMIC REGION: 2001 MALES

AGE IN YEARS	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1	2	--	2	1	45	1	2	6	59
1-4	--	4	1	--	5	--	--	3	13
5-9	--	--	2	--	4	--	1	2	9
10-14	1	--	--	1	3	--	--	2	7
15-19	2	--	2	3	17	2	4	13	43
20-24	3	4	--	1	13	3	2	8	34
25-29	2	1	2	2	14	1	1	8	31
30-34	2	4	5	1	23	3	2	7	47
35-39	7	--	7	5	41	2	4	10	76
40-44	4	2	6	4	51	5	1	4	77
45-49	6	6	8	2	81	7	8	9	127
50-54	6	4	18	8	111	8	12	13	180
55-59	7	4	29	10	175	11	9	12	257
60-64	21	13	21	12	195	21	15	11	309
65-69	17	11	46	12	267	33	21	13	420
70-74	35	22	58	13	338	42	33	23	564
75-79	35	22	87	23	461	37	63	22	750
80-84	38	36	87	32	440	50	35	15	733
85-89	33	34	118	29	355	47	47	16	679
90 AND OVER	28	31	69	16	258	25	39	13	479
TOTAL	249	198	568	175	2,897	298	299	210	4,894

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

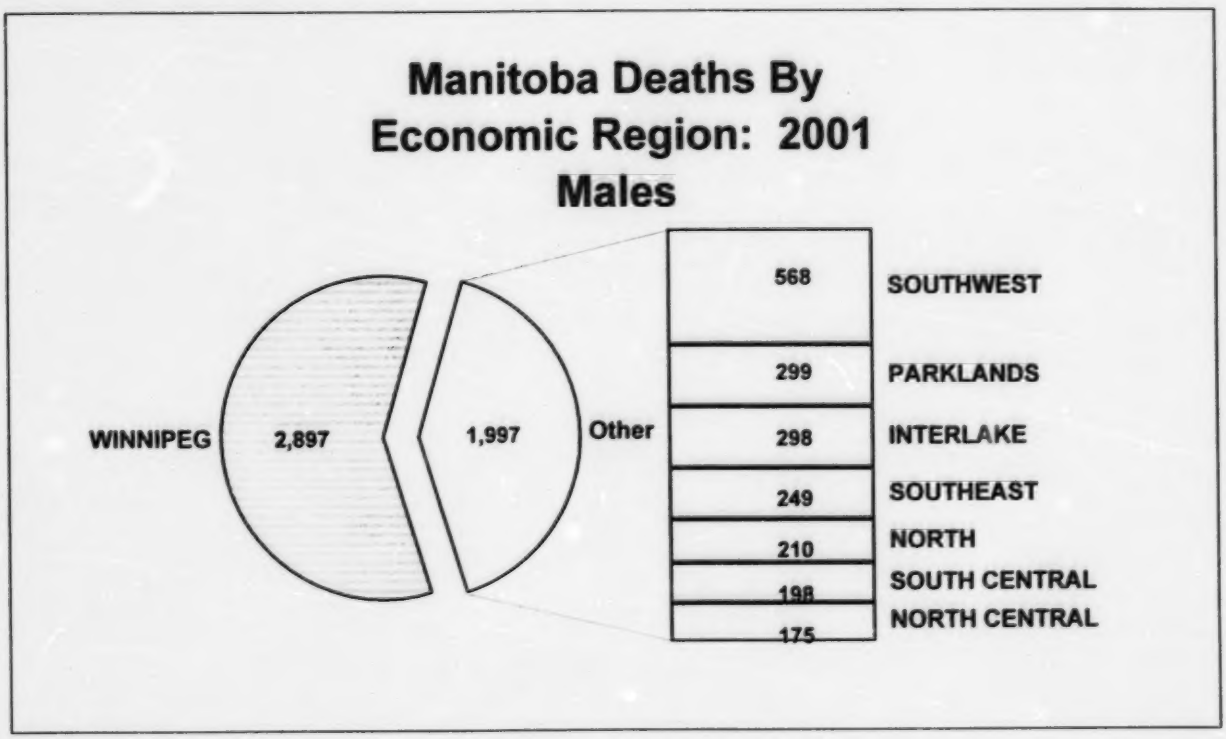
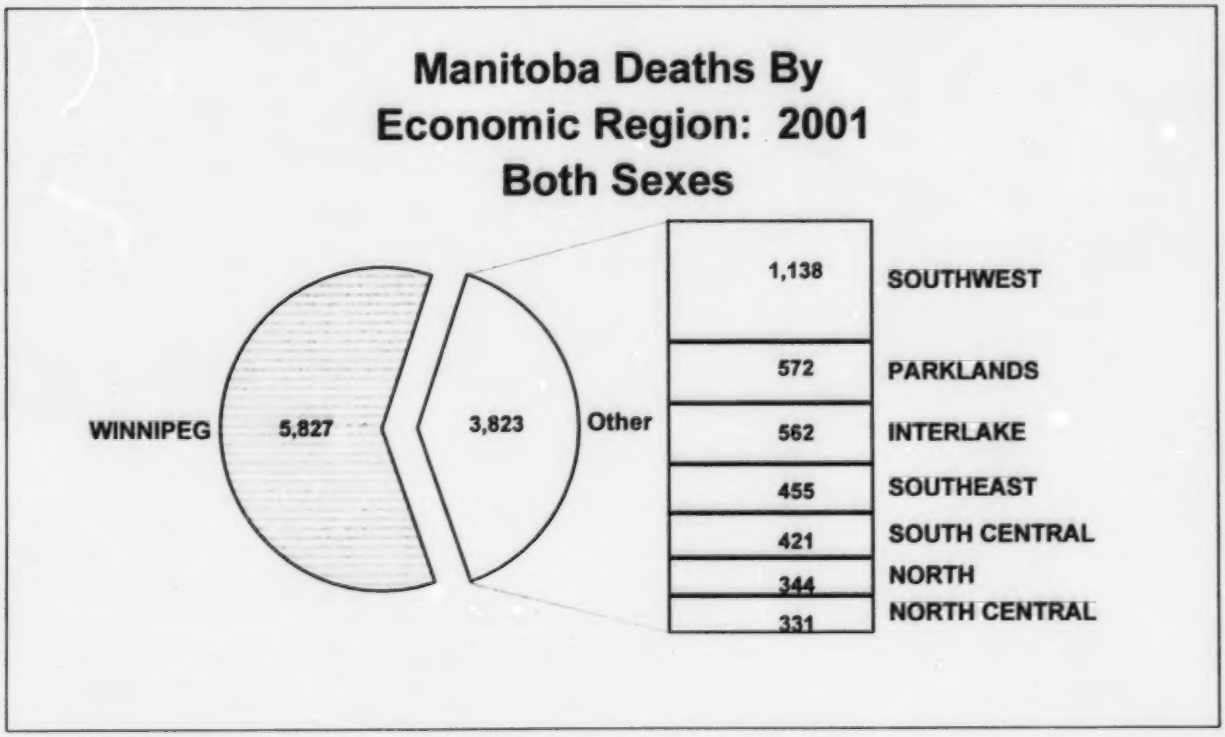


TABLE C3 DEATHS BY AGE GROUP AND ECONOMIC REGION: 2001 BOTH SEXES

AGE IN YEARS	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1	4	--	4	2	65	1	5	8	89
1- 4	--	4	1	--	9	--	1	5	20
5- 9	1	1	2	--	5	--	1	2	12
10-14	1	--	1	1	6	--	--	4	13
15-19	3	2	4	3	27	2	4	14	59
20-24	4	4	--	1	21	4	2	12	48
25-29	3	2	4	4	25	1	3	17	59
30-34	2	5	8	1	35	4	2	9	66
35-39	9	1	8	6	68	4	7	14	117
40-44	7	3	9	6	92	8	3	6	134
45-49	9	9	14	6	129	16	12	14	209
50-54	10	8	28	14	179	13	18	17	287
55-59	12	7	38	20	276	16	12	18	399
60-64	28	19	41	16	322	35	24	18	503
65-69	26	15	76	17	431	51	32	22	670
70-74	48	35	97	26	573	65	60	36	940
75-79	54	46	162	42	837	61	96	36	1,334
80-84	67	82	193	51	914	94	70	35	1,506
85-89	86	90	233	56	923	100	107	30	1,625
90 AND OVER	81	88	215	59	890	87	113	27	1,560
TOTAL	455	421	1,138	331	5,827	562	572	344	9,650

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS



APPENDIX D

INFANT DEATHS BY AGE AND ECONOMIC REGION

TABLE D1 INFANT DEATHS BY AGE AND ECONOMIC REGION: 2001 FEMALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	1	–	1	–	6	–	–	1	9
1 - 6 DAYS	–	–	–	–	5	–	–	–	5
7 - 13 DAYS	–	–	–	–	2	–	–	–	2
14 - 27 DAYS	–	–	–	–	2	–	1	–	3
28 - 91 DAYS	–	–	–	1	3	–	2	–	6
92 DAYS - 6 MONTHS	1	–	–	–	–	–	–	1	2
6 MONTHS - 1 YEAR	–	–	1	–	2	–	–	–	3
INFANT	2	–	2	1	20	–	3	2	30
NEONATAL	1	–	1	–	15	–	1	1	19
POST-NEONATAL	1	–	1	1	5	–	2	1	11
STILLBIRTHS	2	–	1	1	33	1	–	5	43
PERINATAL	3	–	2	1	44	1	–	6	57

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.
ONE WINNIPEG AND ONE PARKLANDS STILLBIRTHS NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

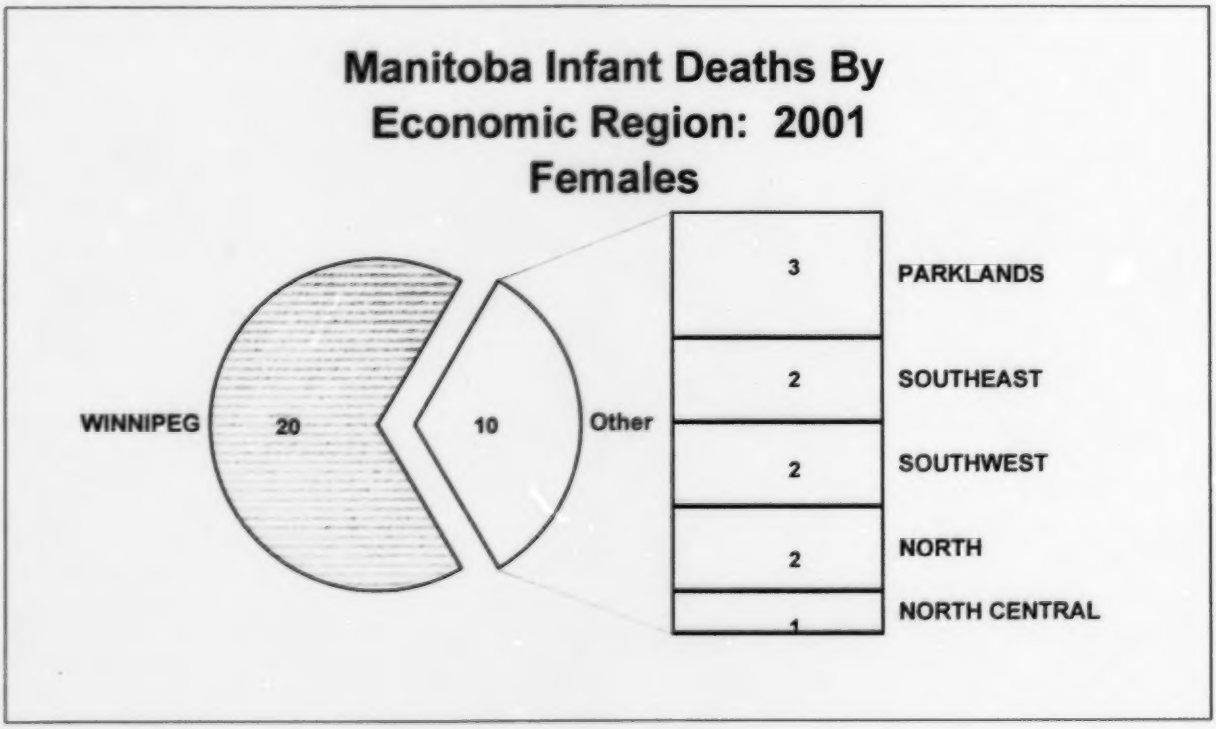


TABLE D2 INFANT DEATHS BY AGE AND ECONOMIC REGION: 2001 MALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	2	--	--	--	18	--	1	3	24
1 - 6 DAYS	--	--	--	--	4	--	--	--	4
7 - 13 DAYS	--	--	--	--	4	--	--	--	4
14 - 27 DAYS	--	--	1	--	5	--	--	--	6
28 - 91 DAYS	--	--	--	--	10	1	1	2	14
92 DAYS - 6 MONTHS	--	--	1	1	1	--	--	--	3
6 MONTHS - 1 YEAR	--	--	--	--	3	--	--	1	4
INFANT	2	--	2	1	45	1	2	6	59
NEONATAL	2	--	1	--	31	--	1	3	38
POST-NEONATAL	--	--	1	1	14	1	1	3	21
STILLBIRTHS	--	5	4	1	55	--	2	1	68
PERINATAL	2	5	4	1	77	--	3	4	96

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.
ONE WINNIPEG AND ONE PARKLANDS STILLBIRTHS NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
MANITOBA BUREAU OF STATISTICS

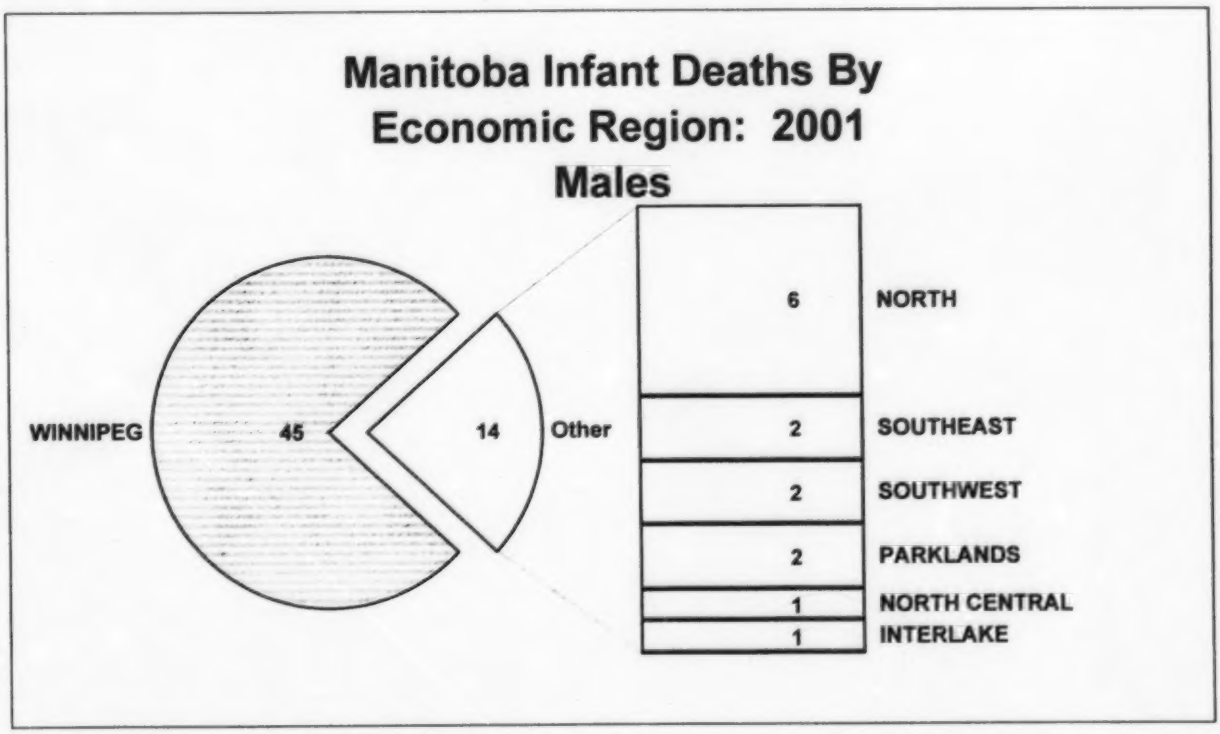


TABLE D3 INFANT DEATHS BY AGE AND ECONOMIC REGION: 2001 BOTH SEXES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	3	--	1	--	24	--	1	4	33
1 - 6 DAYS	--	--	--	--	9	--	--	--	9
7 - 13 DAYS	--	--	--	--	6	--	--	--	6
14 - 27 DAYS	--	--	1	--	7	--	1	--	9
28 - 91 DAYS	--	--	--	1	13	1	3	2	20
92 DAYS - 6 MONTHS	1	--	1	1	1	--	--	1	5
6 MONTHS - 1 YEAR	--	--	1	--	5	--	--	1	7
INFANT	4	--	4	2	65	1	5	8	89
NEONATAL	3	--	2	--	46	--	2	4	57
POST-NEONATAL	1	--	2	2	19	1	3	4	32
STILLBIRTHS	2	5	5	2	89	1	3	6	113
PERINATAL	5	5	6	2	122	1	3	10	154

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS